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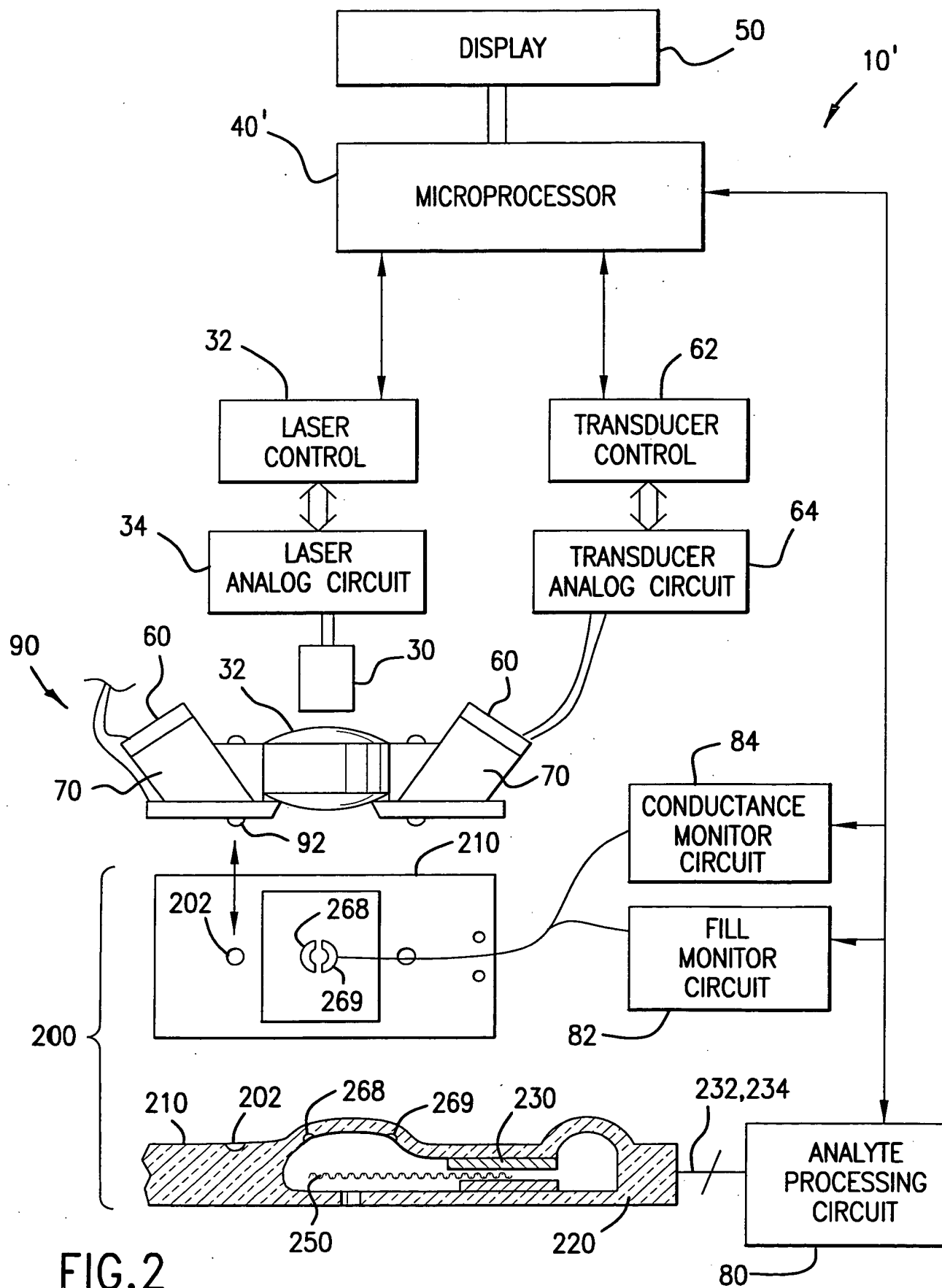


FIG.2

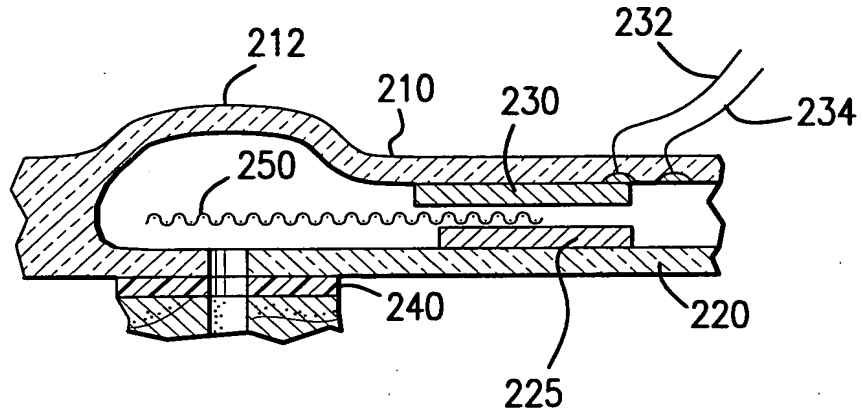


FIG. 3

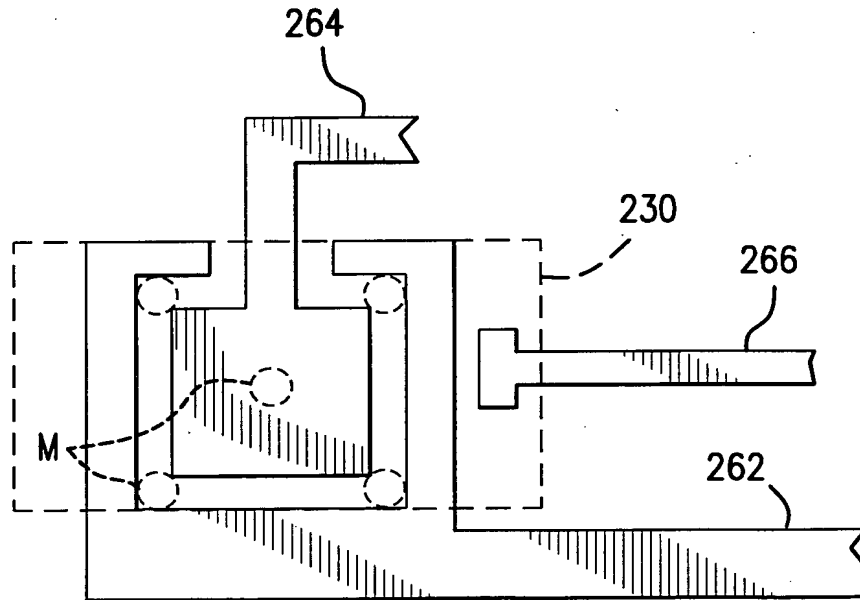


FIG. 4

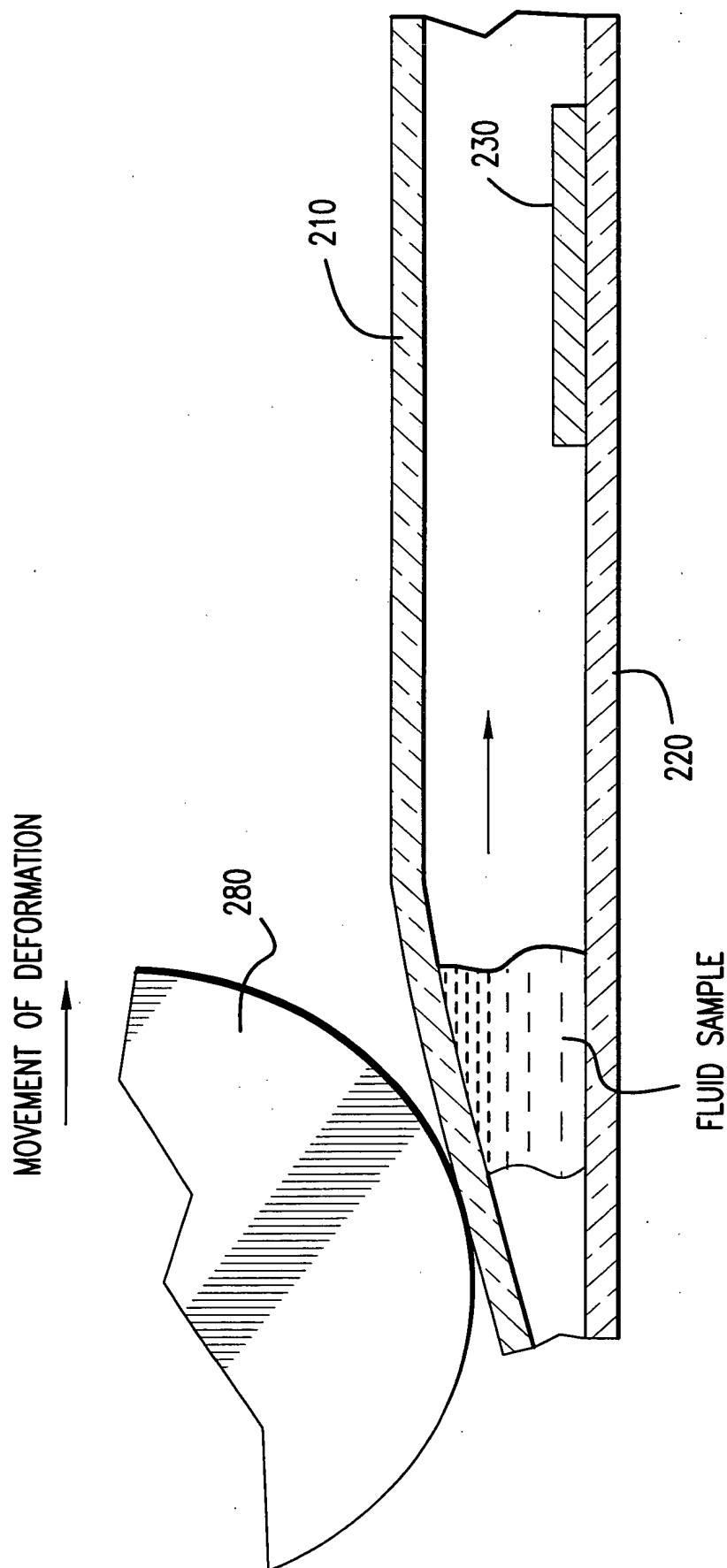


FIG.5

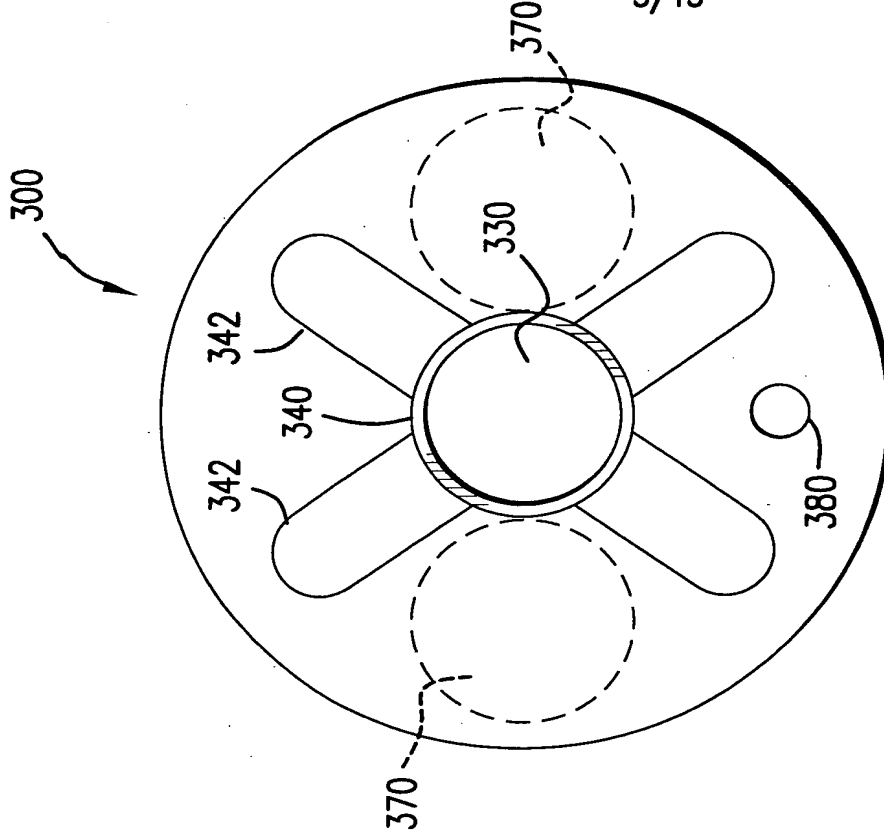


FIG. 7

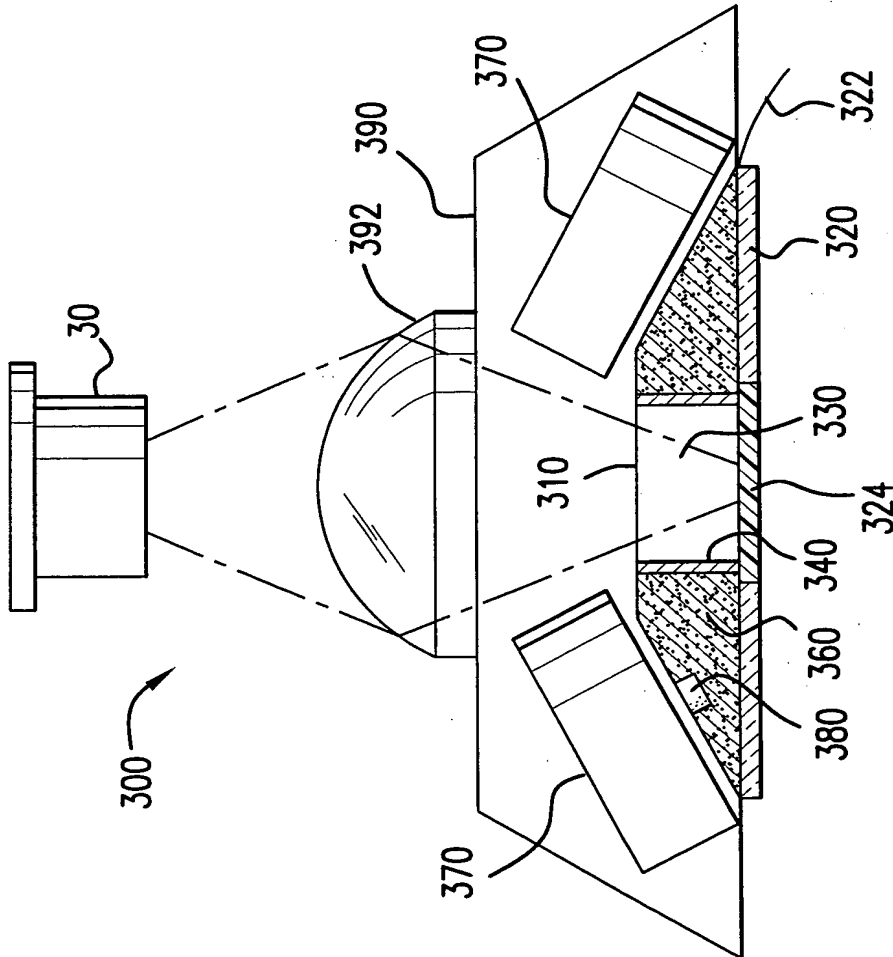


FIG. 6

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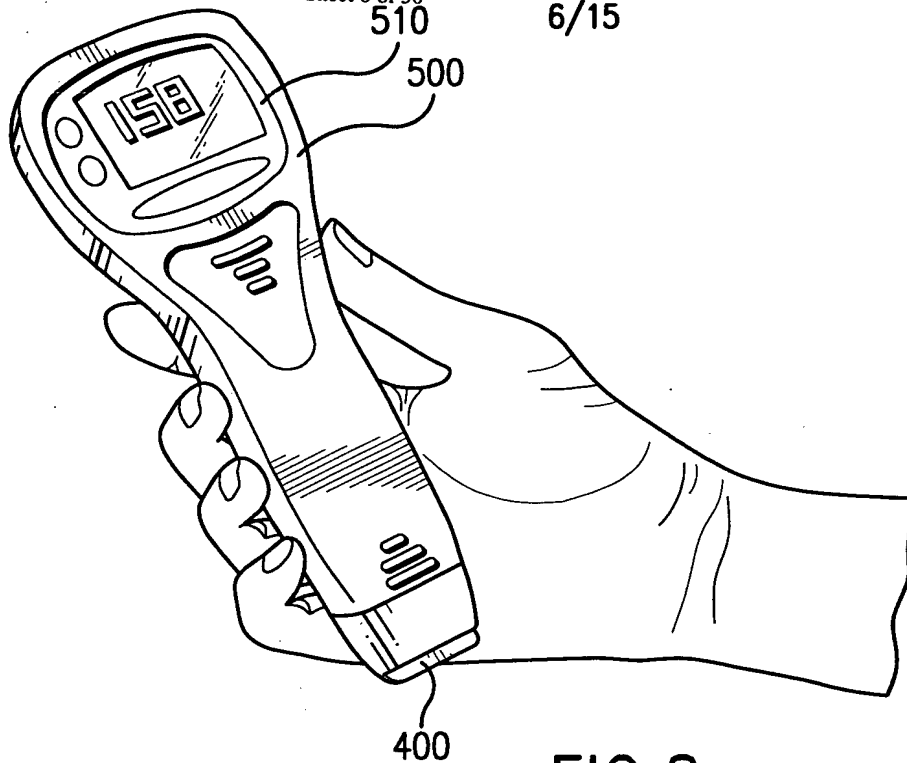


FIG. 8

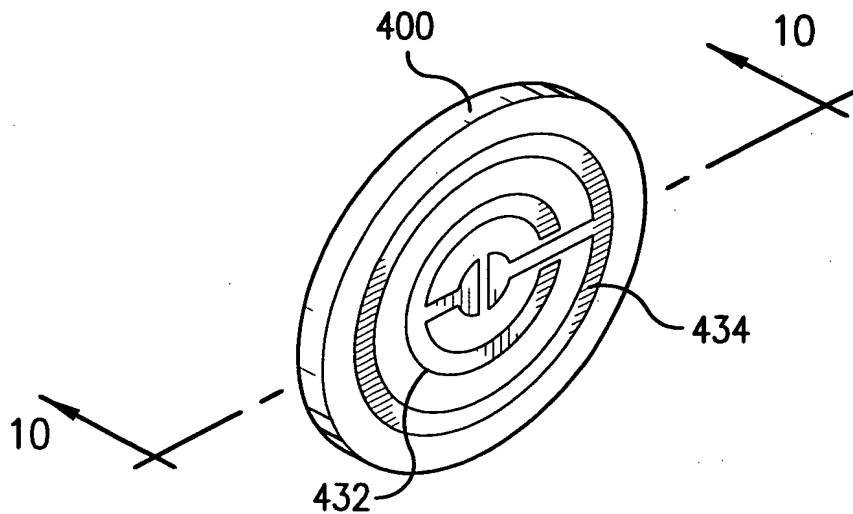


FIG. 9

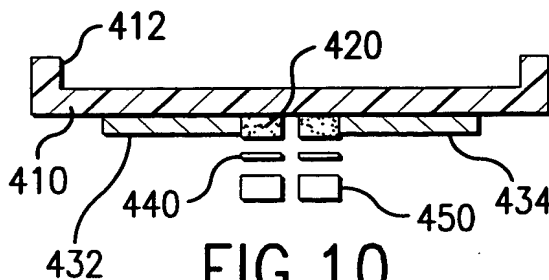


FIG. 10

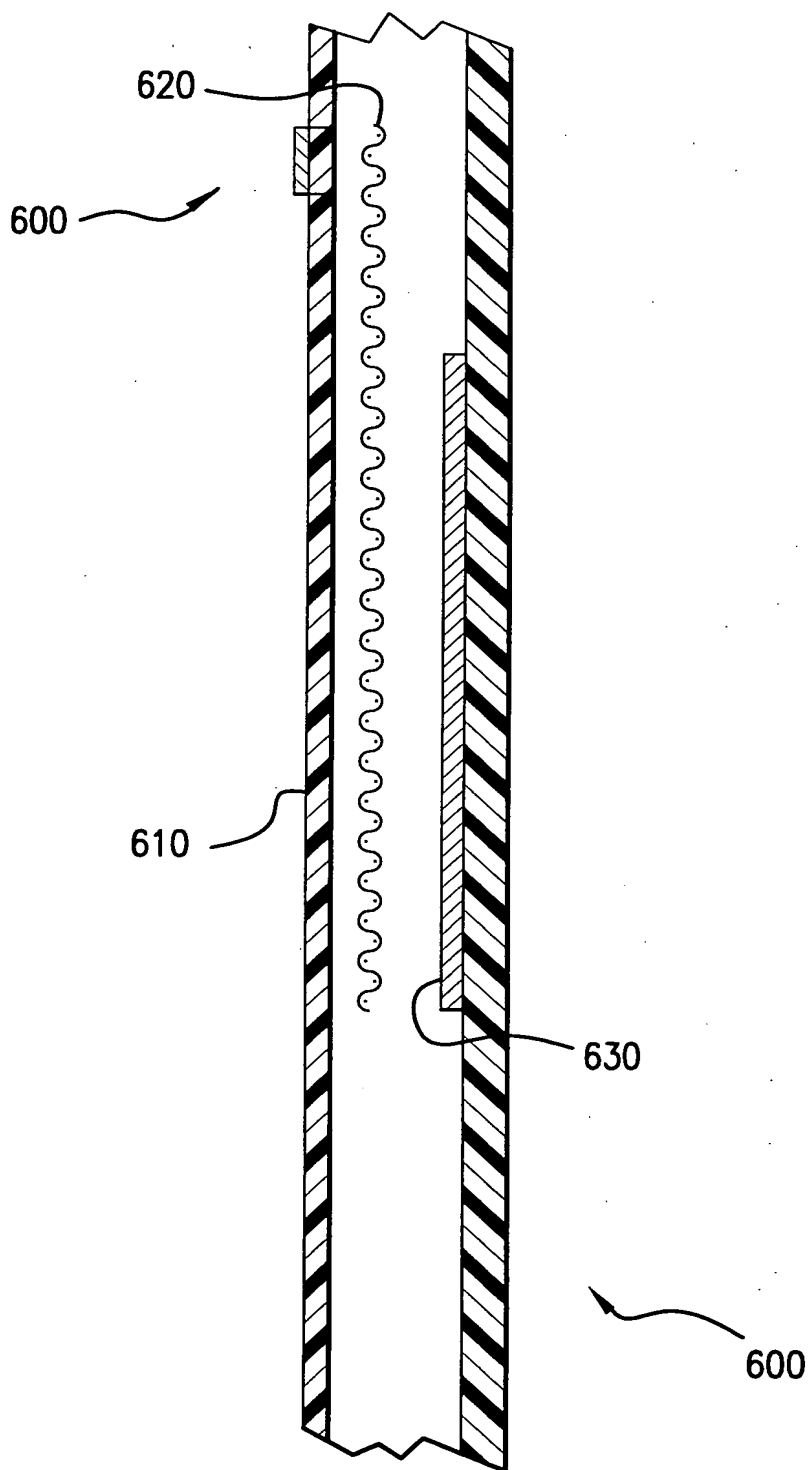


FIG.11

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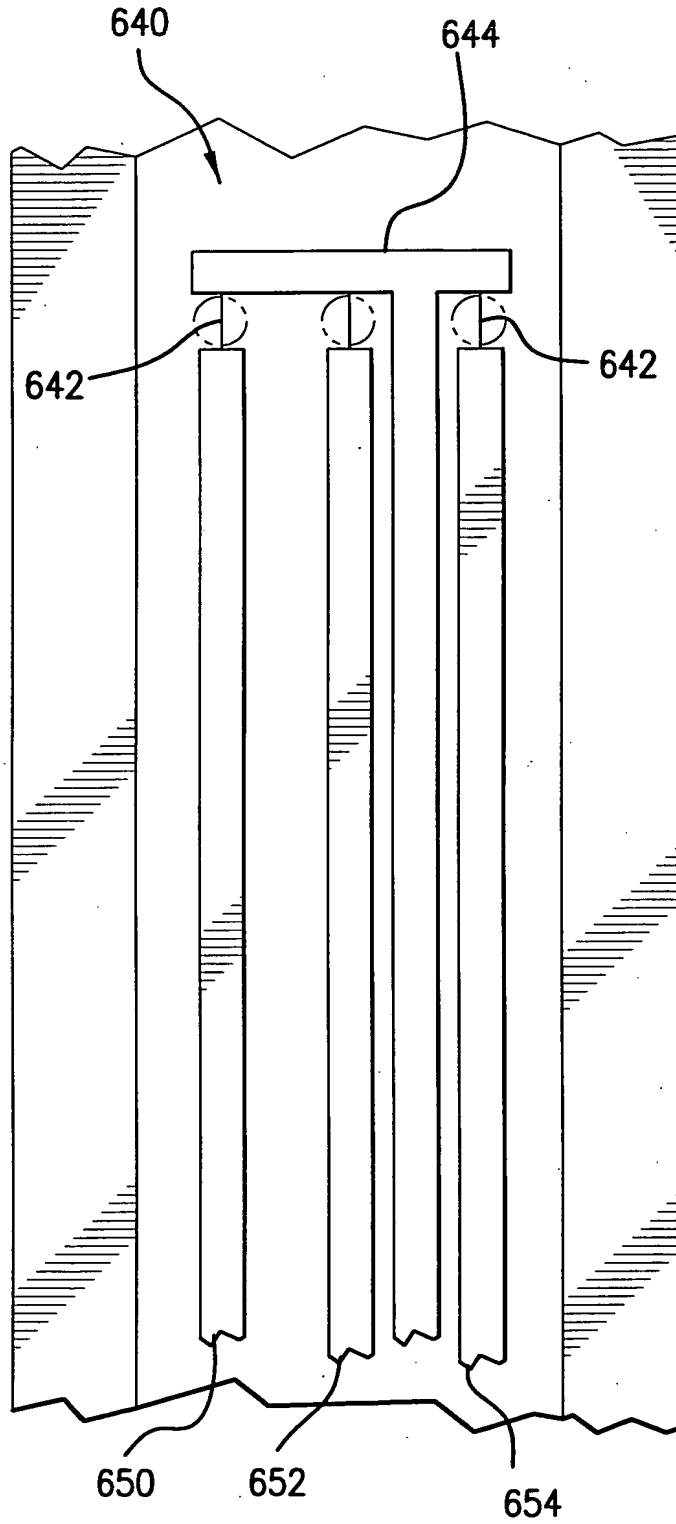


FIG.12

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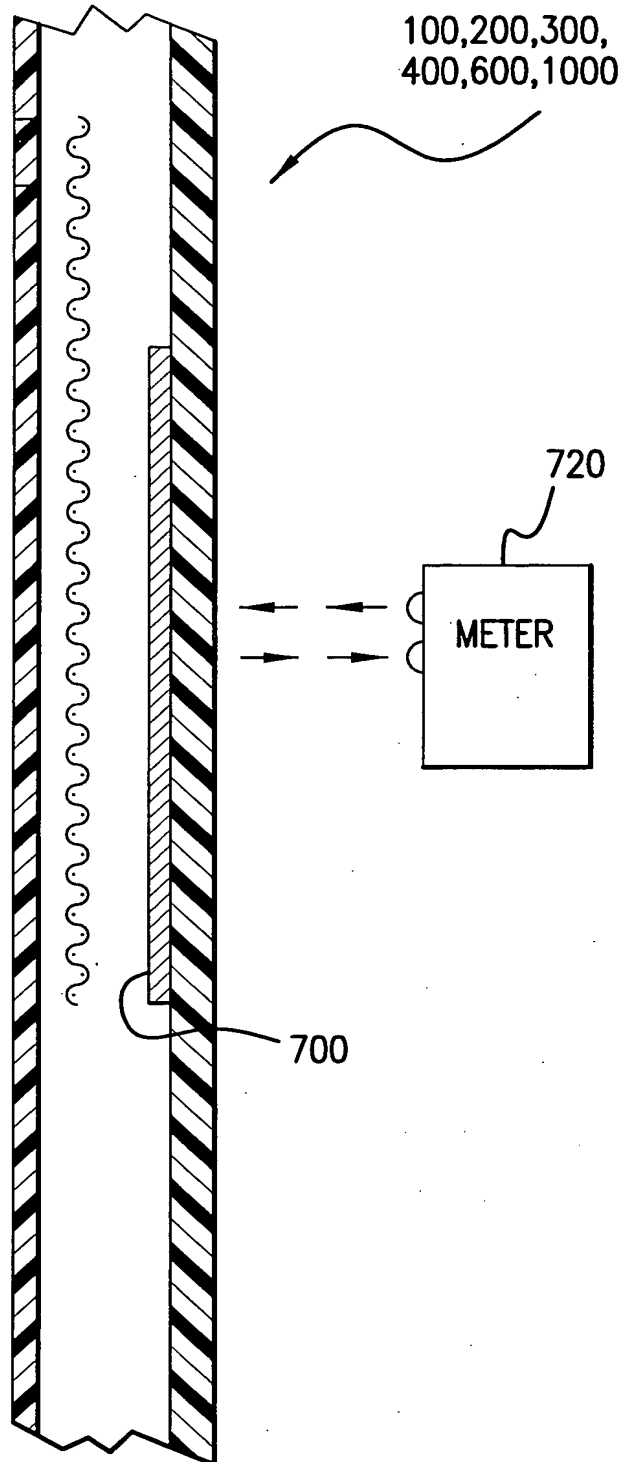


FIG.13

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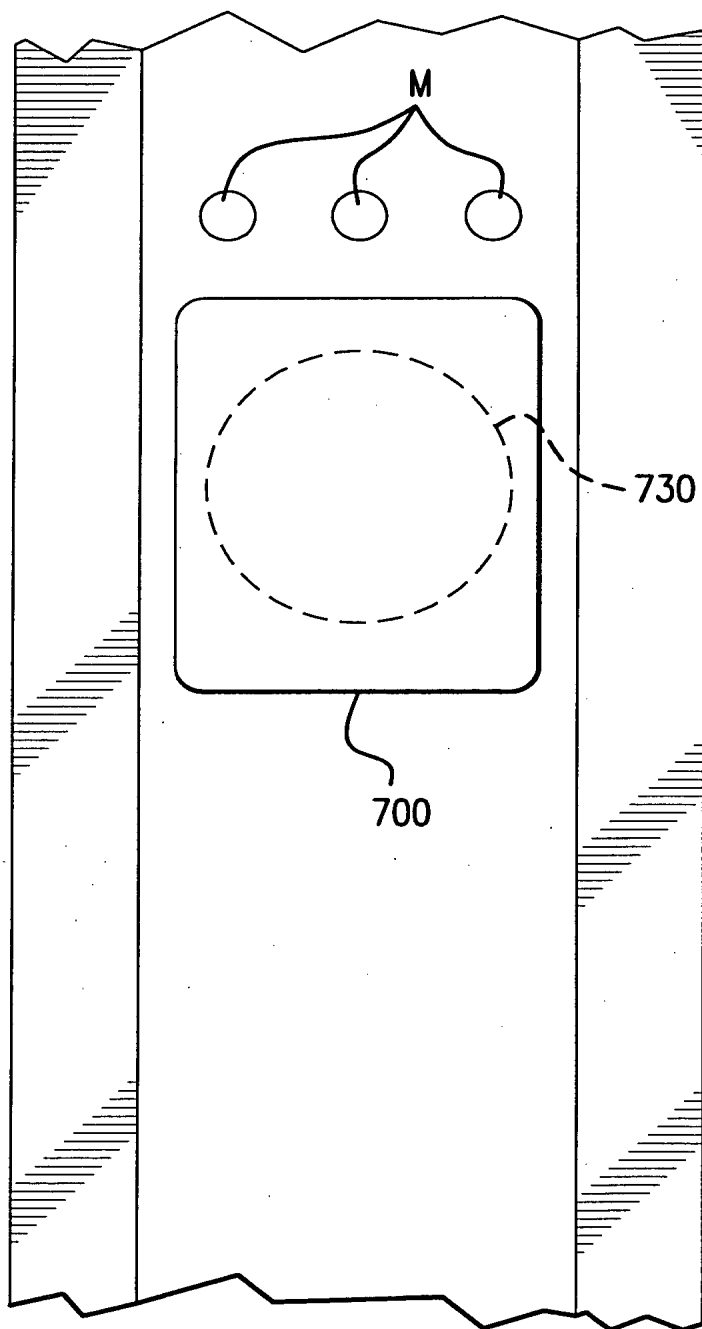


FIG.14

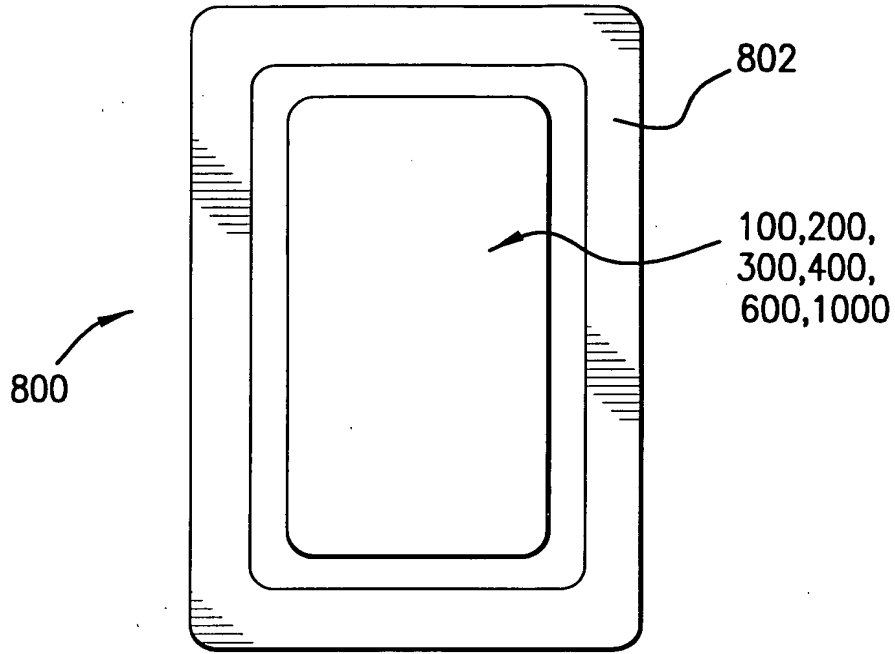


FIG. 15

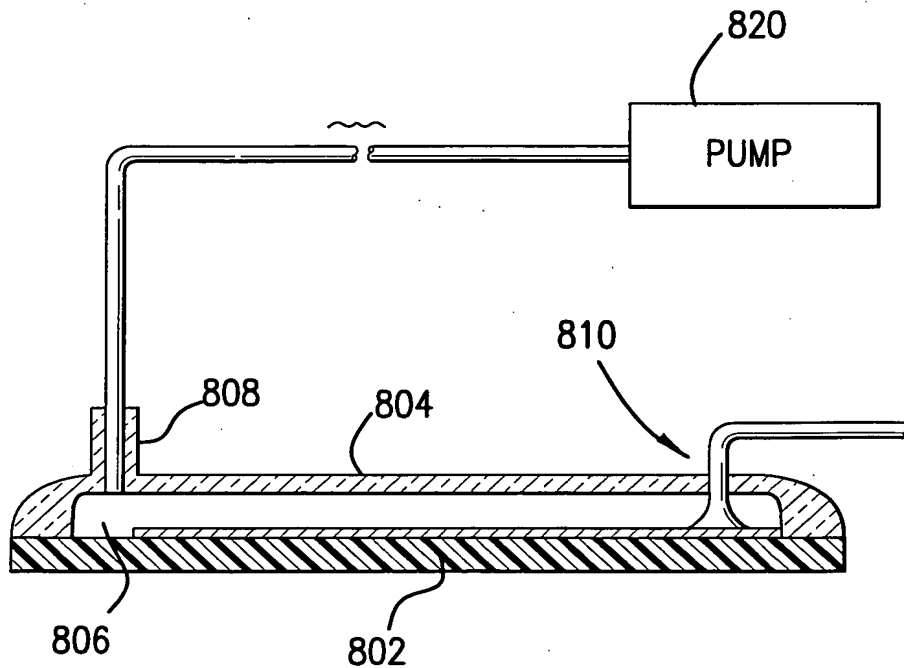


FIG. 16

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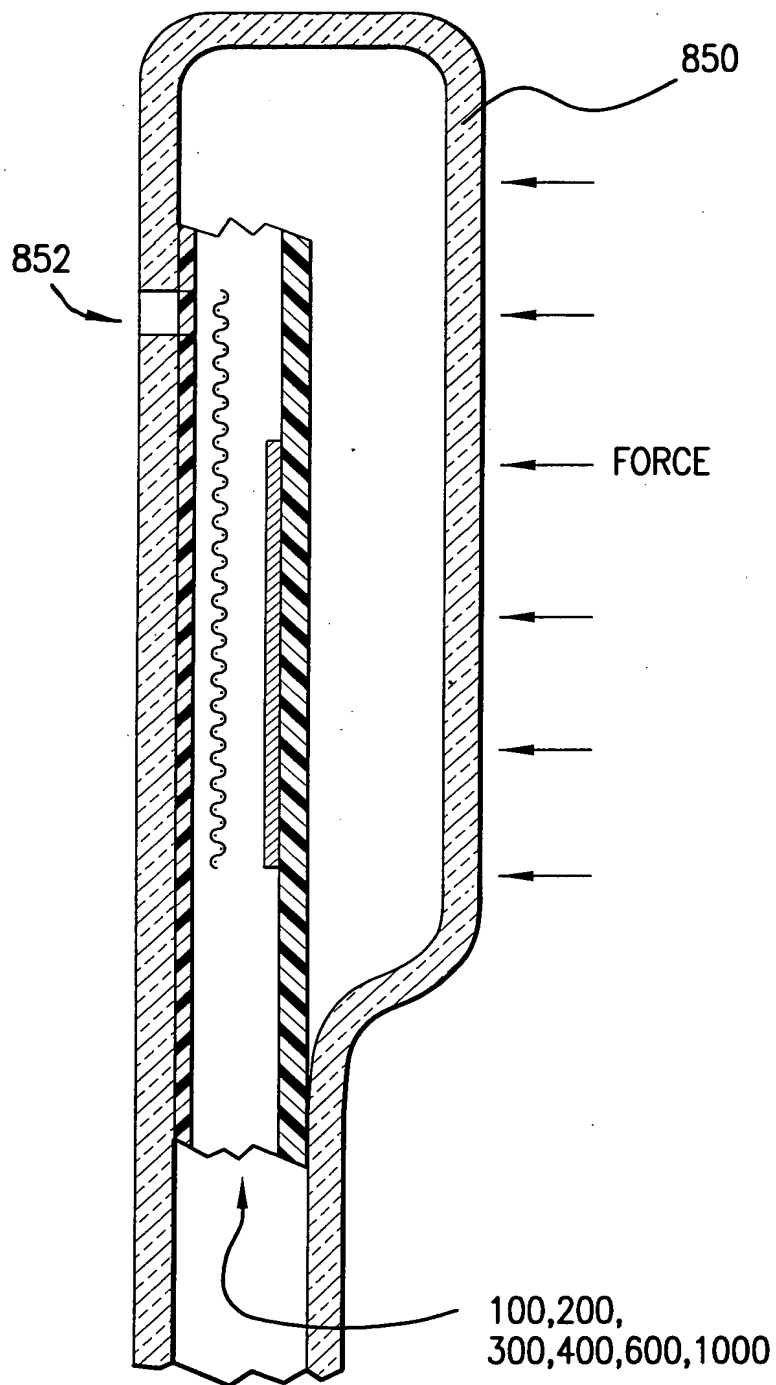


FIG.17

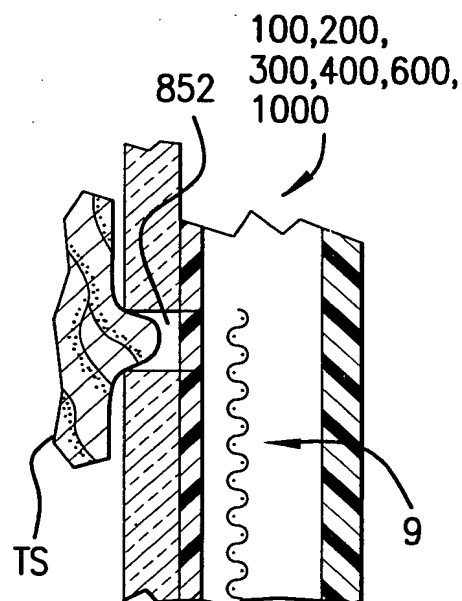


FIG.18

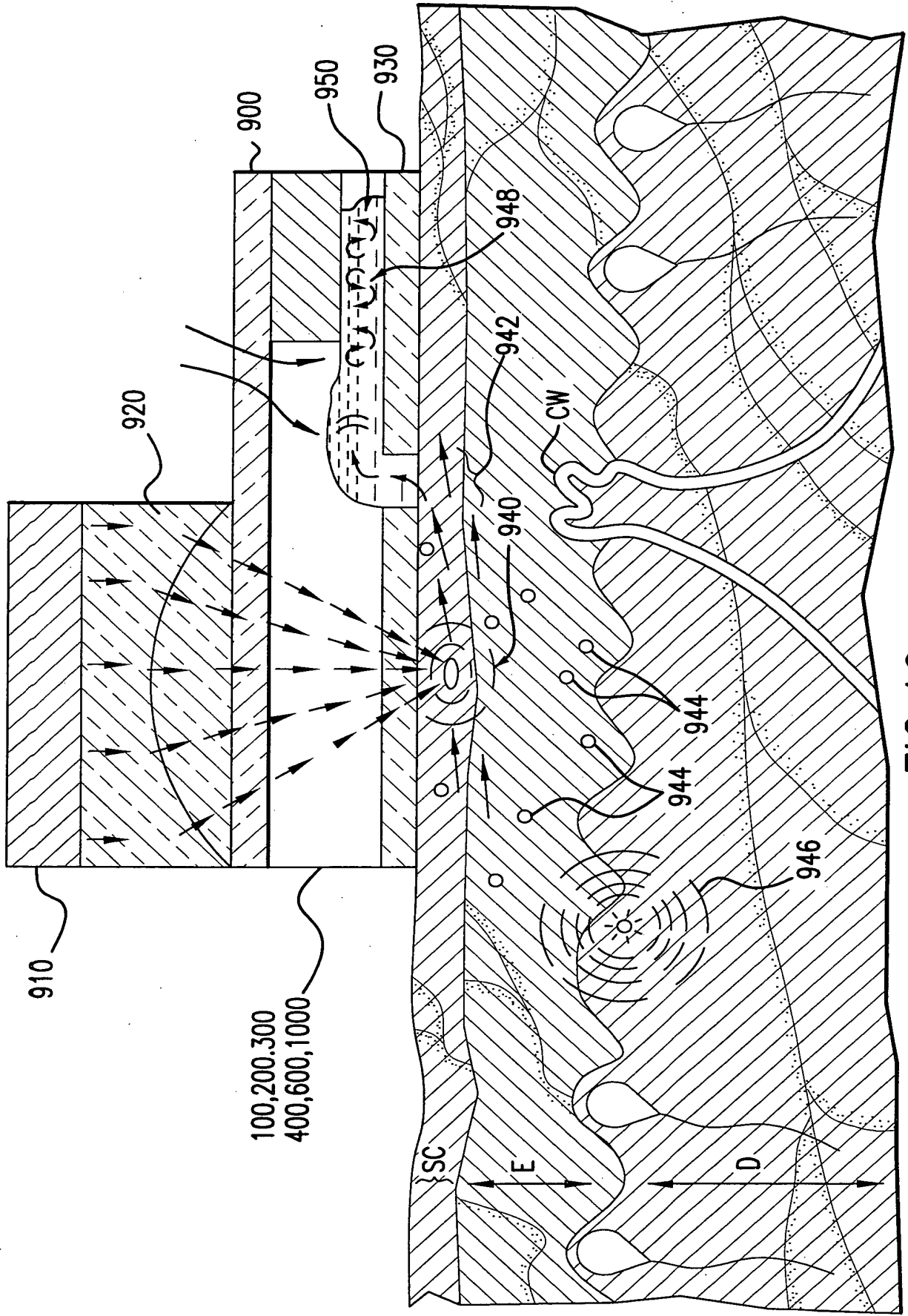
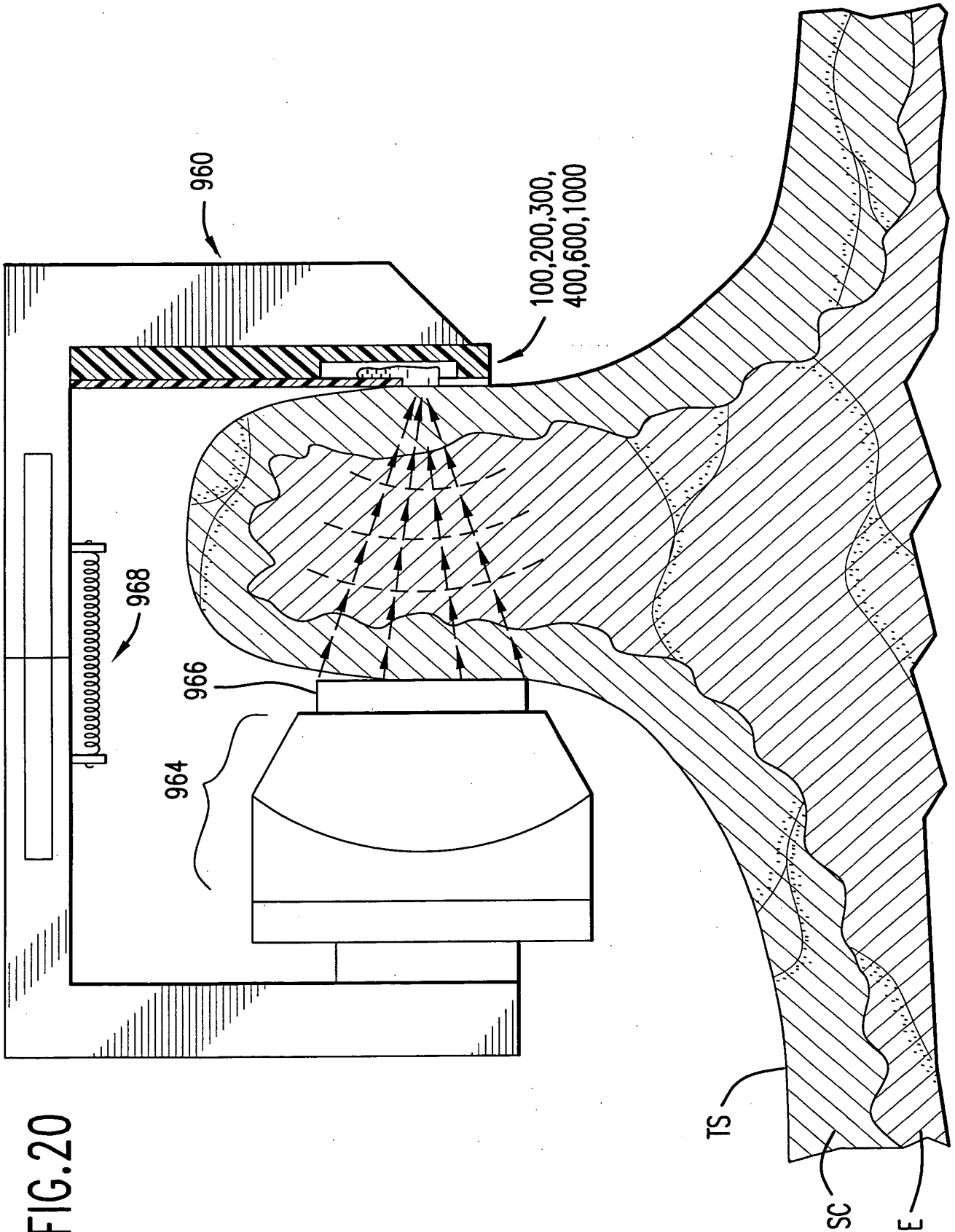


FIG. 19



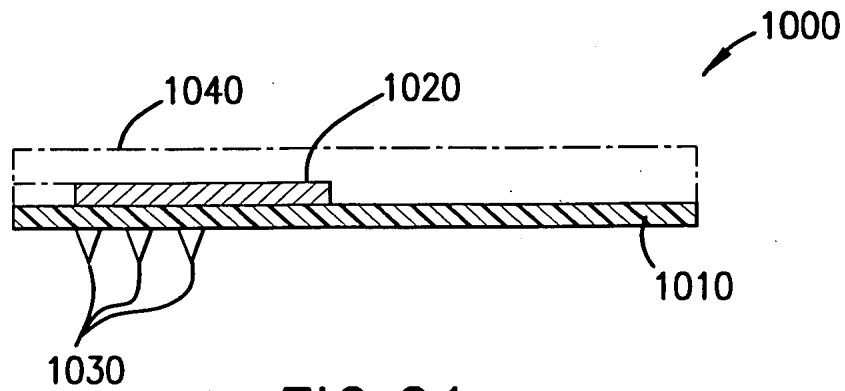


FIG. 21

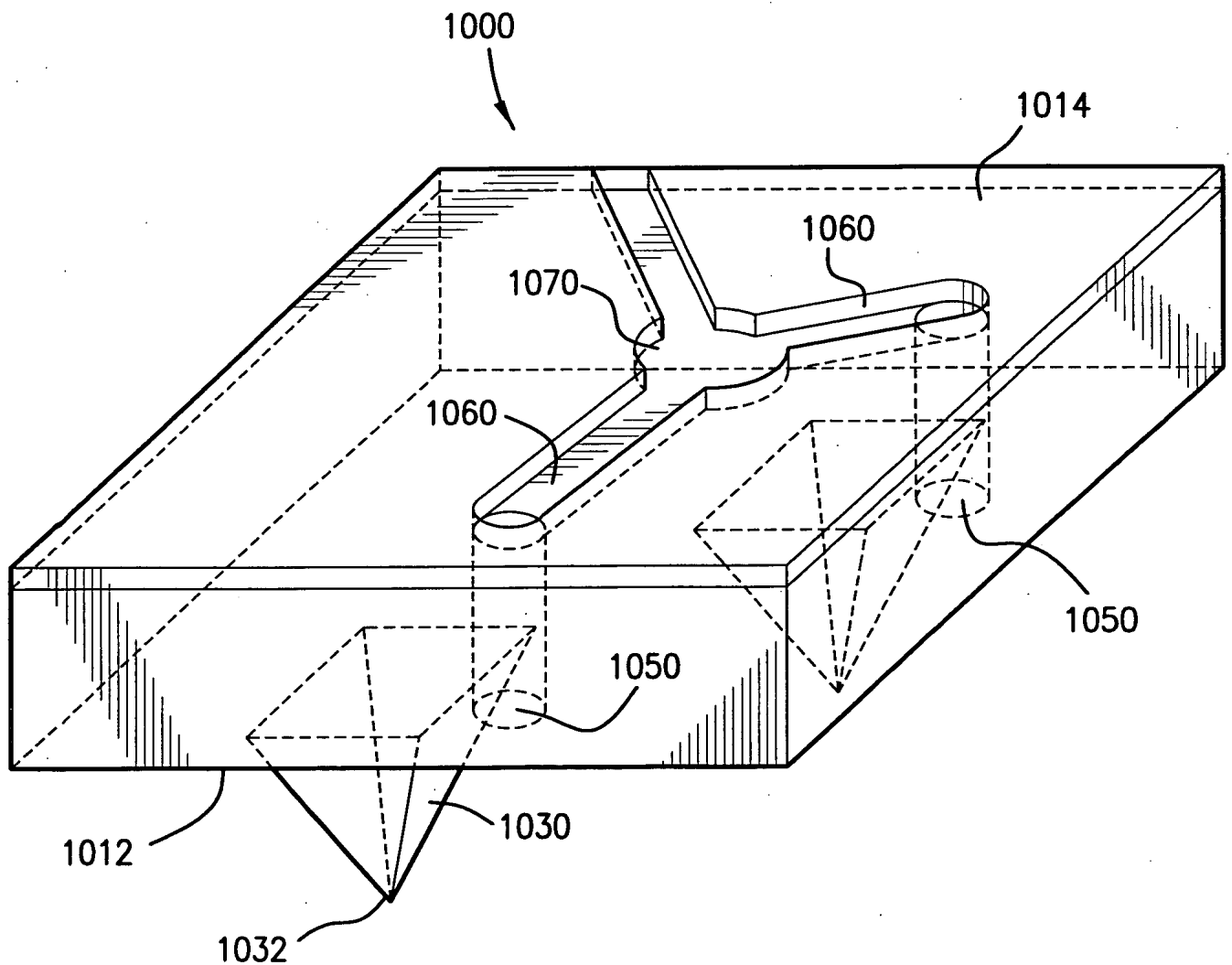


FIG. 22

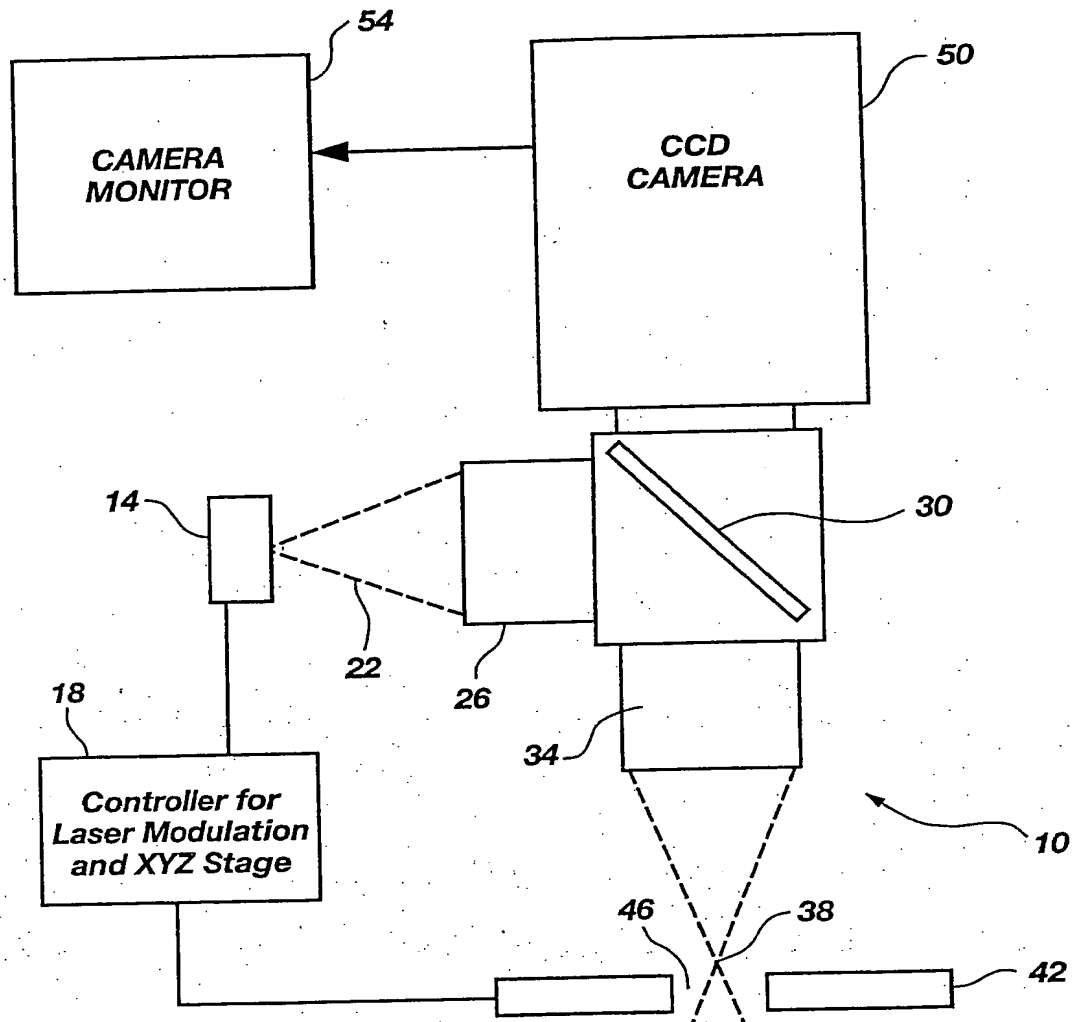


Fig. 23



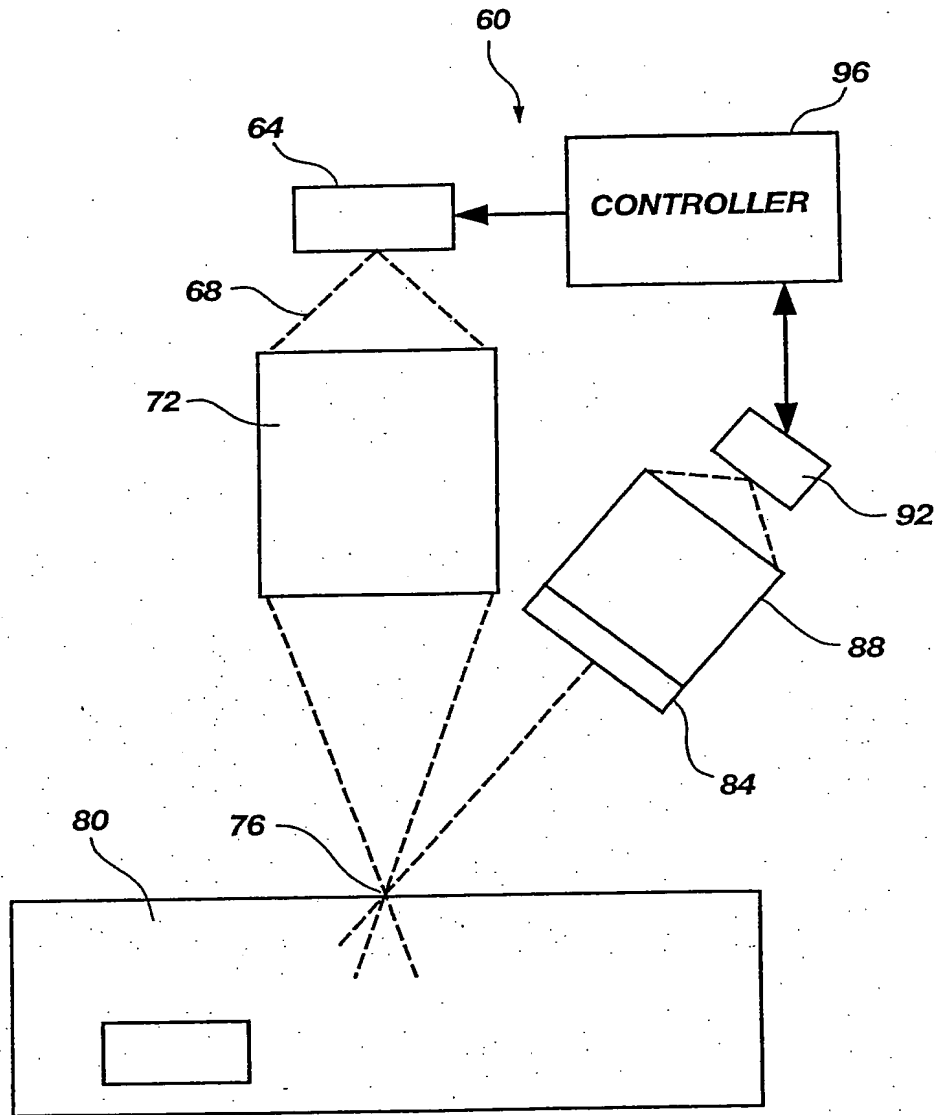


Fig. 24

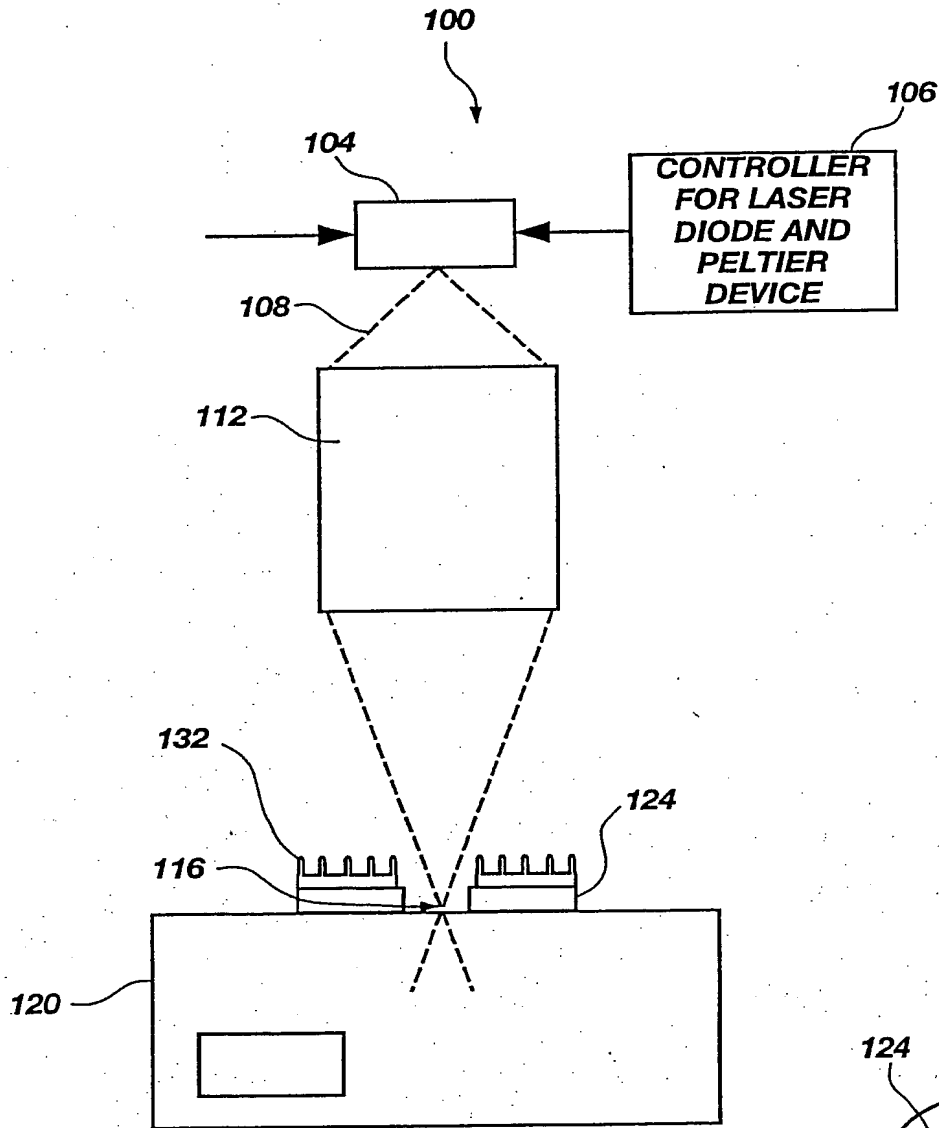


Fig.  
25A

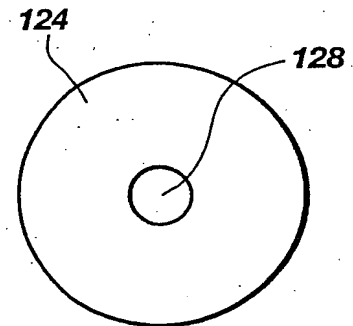


Fig.  
25B

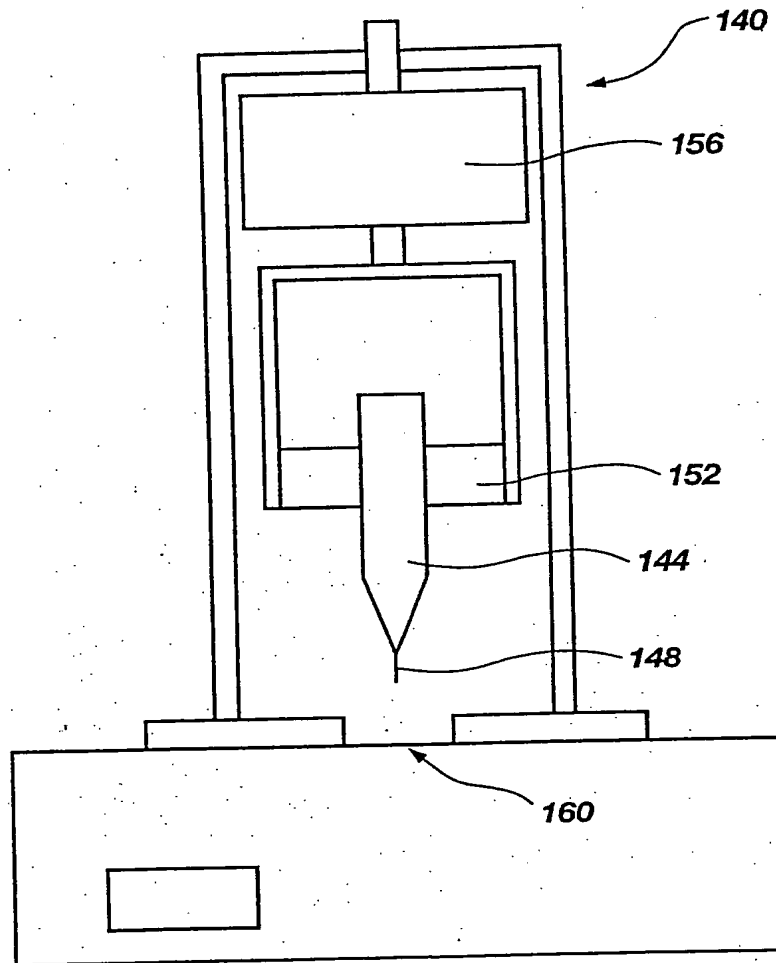
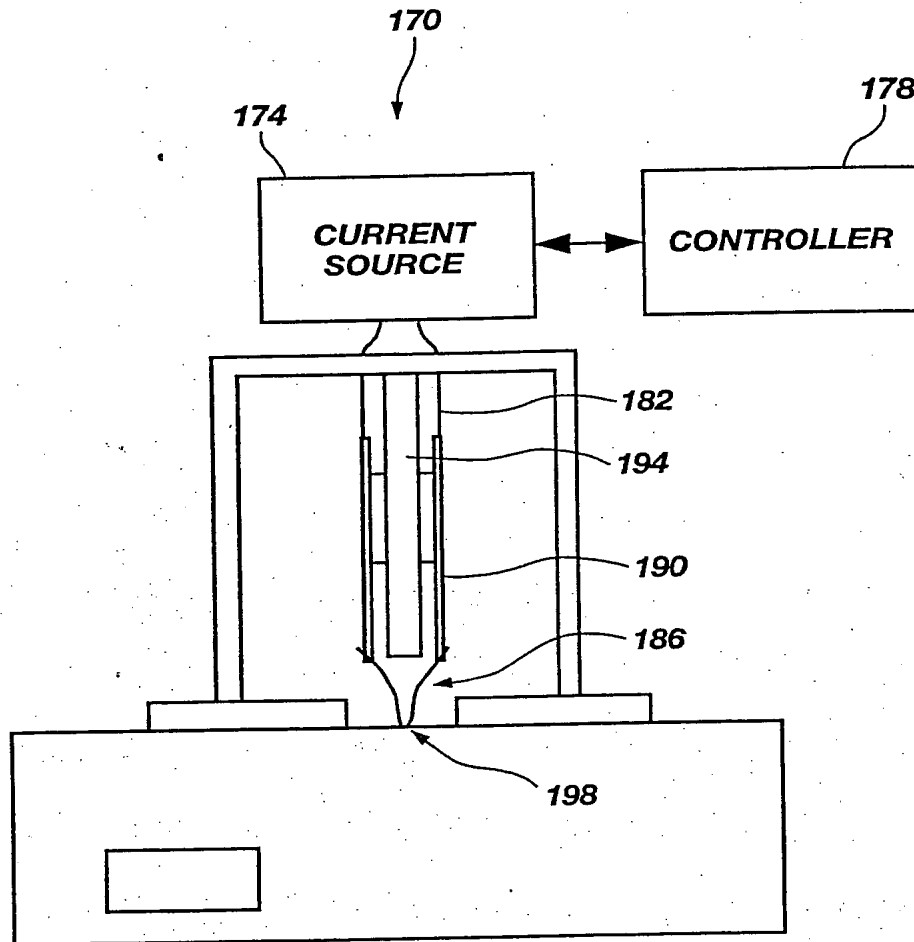


Fig. 26



**Fig. 27**

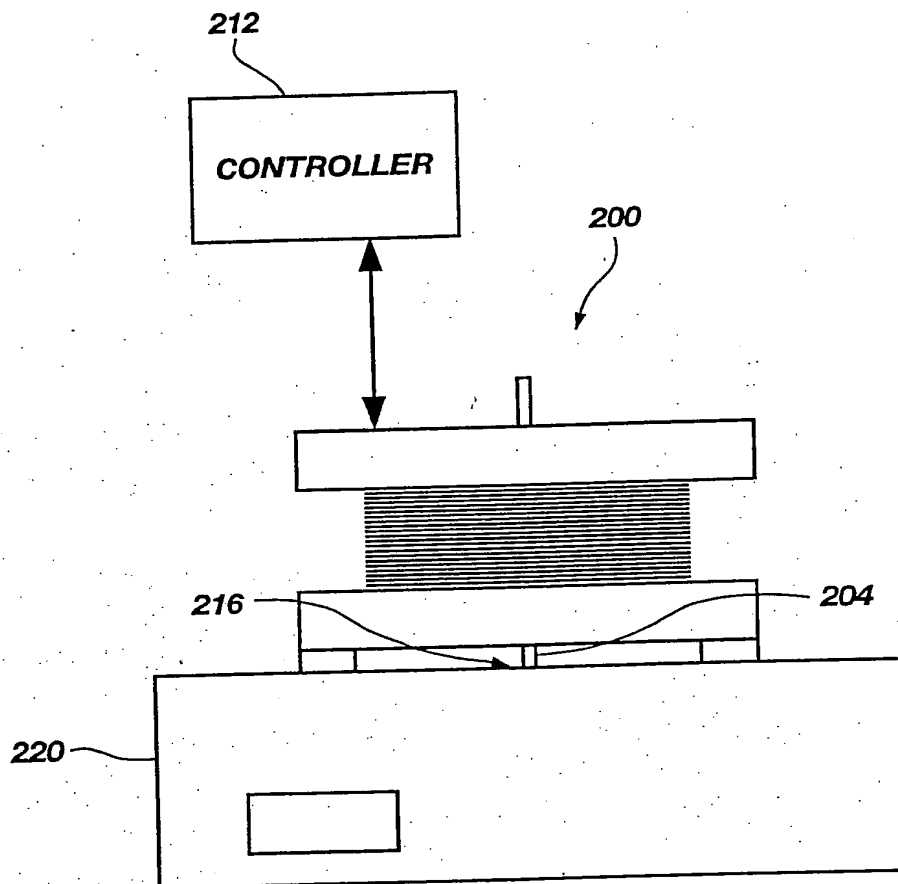


Fig. 28

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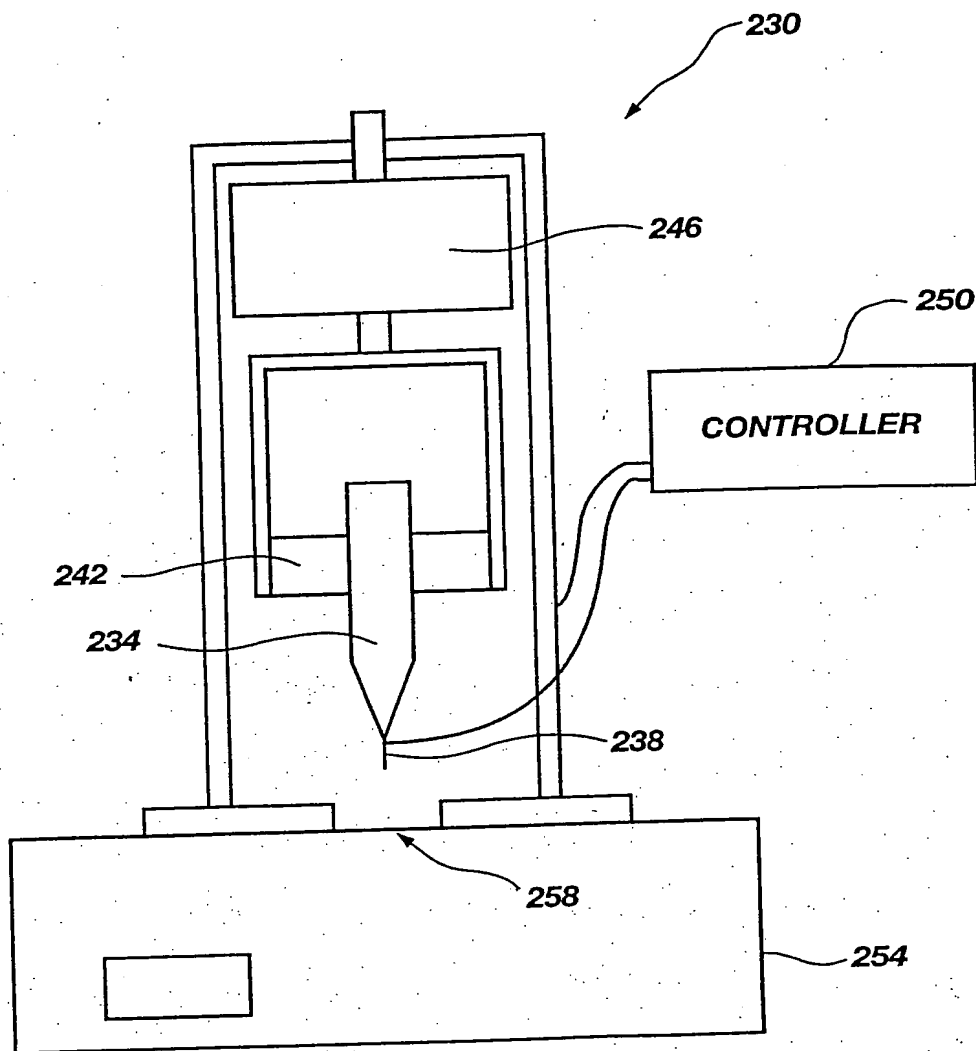


Fig. 29

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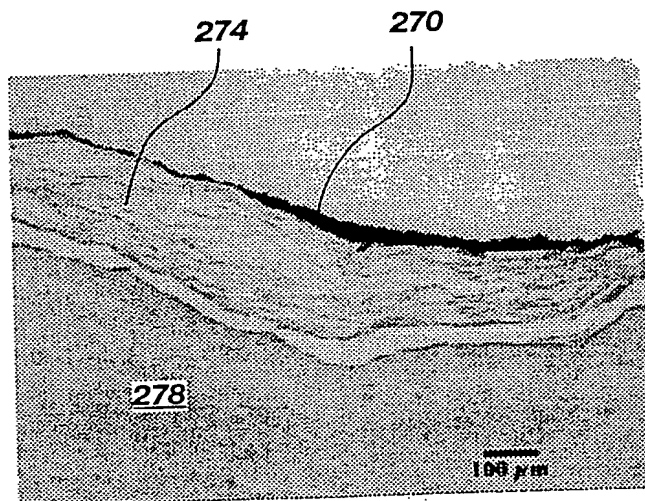


Fig. 30A

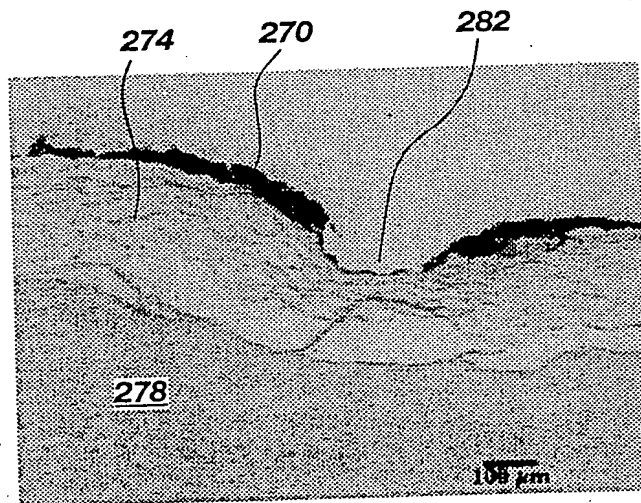


Fig. 30B

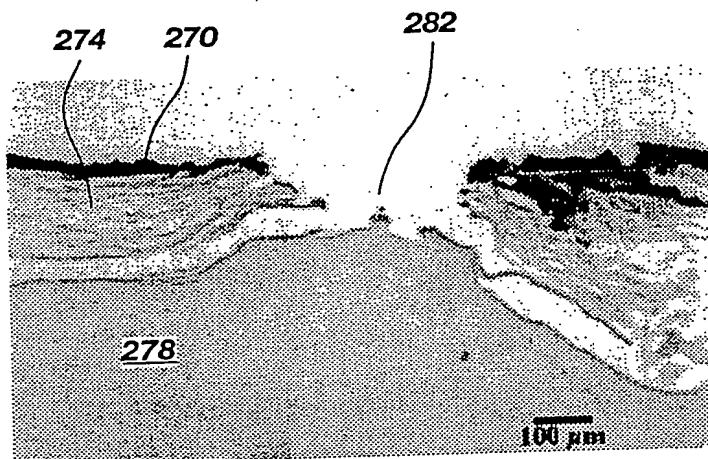


Fig. 30C

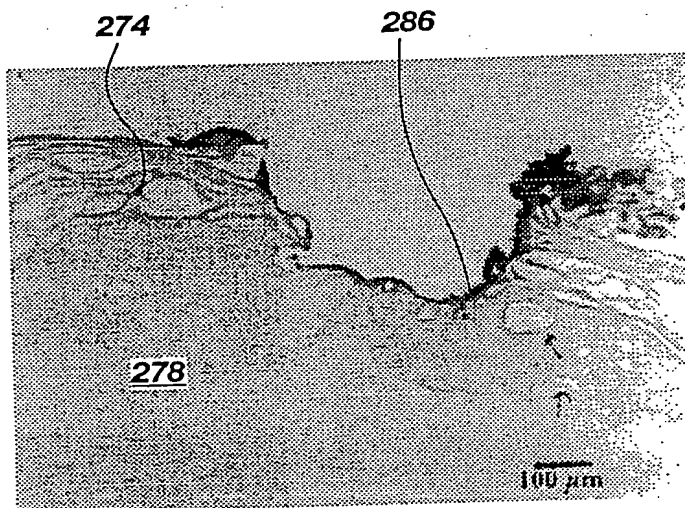


Fig. 30D

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MAXIMUM LENGTH OF A SINGLE HEAT PULSE,  $t = .021$  SECONDS, UNTIL DAMAGE THRESHOLD ENTERS VIABLE TISSUE

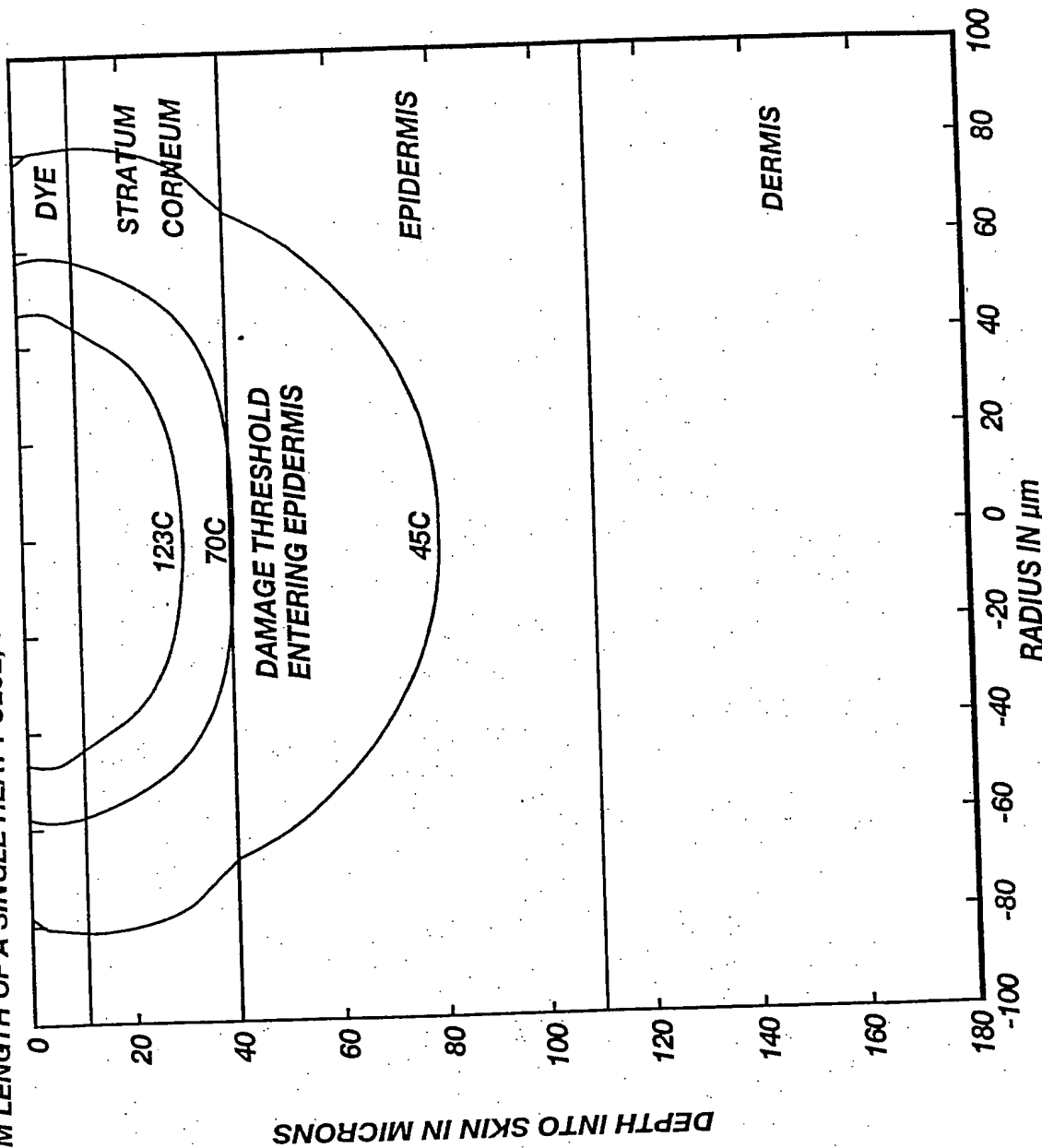


Fig. 3

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MAXIMUM LENGTH OF A SINGLE HEAT PULSE,  $t = .060$  SECONDS, UNTIL PAIN THRESHOLD ENTERS ENERVATED TISSUE

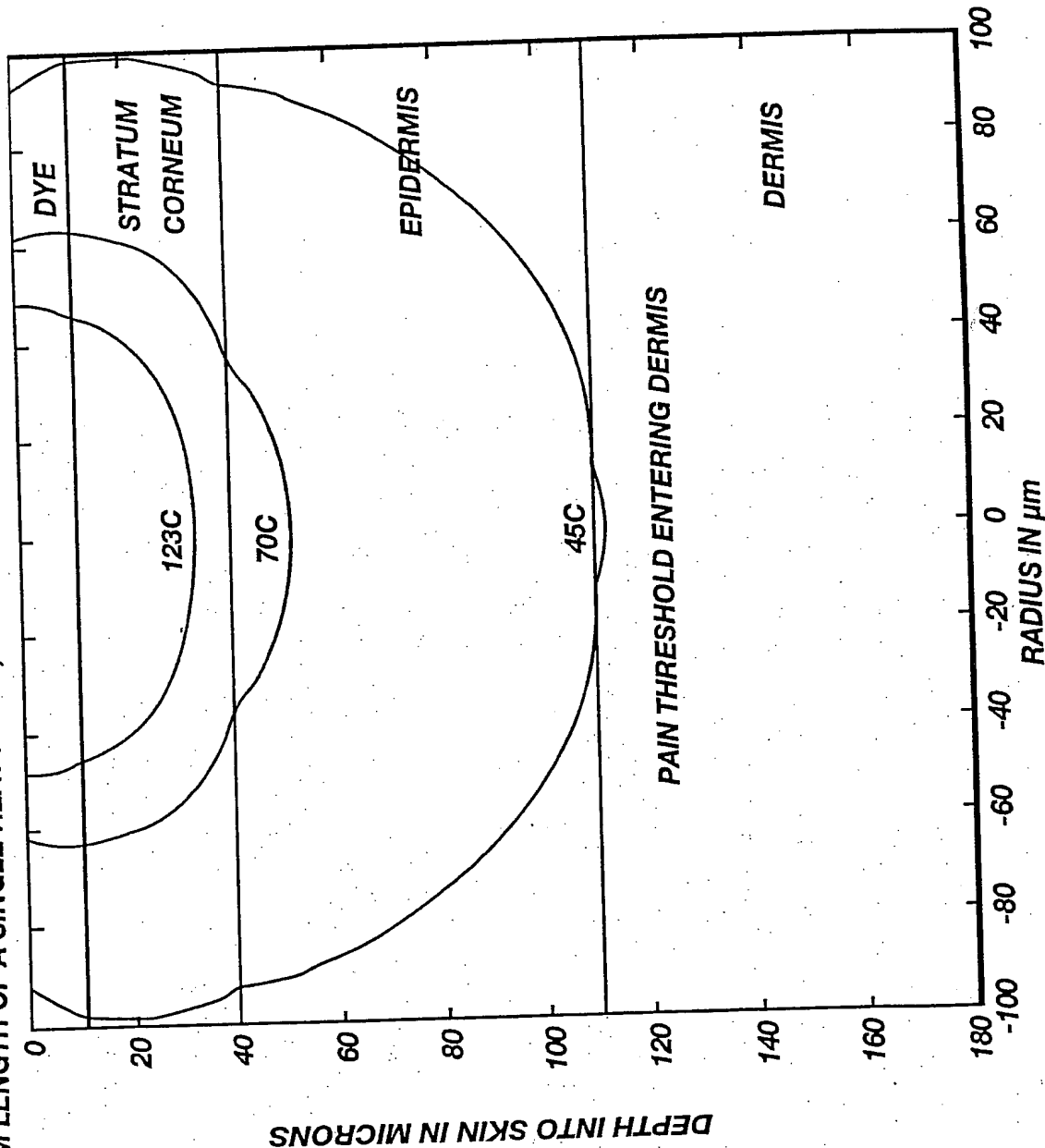


Fig. 32

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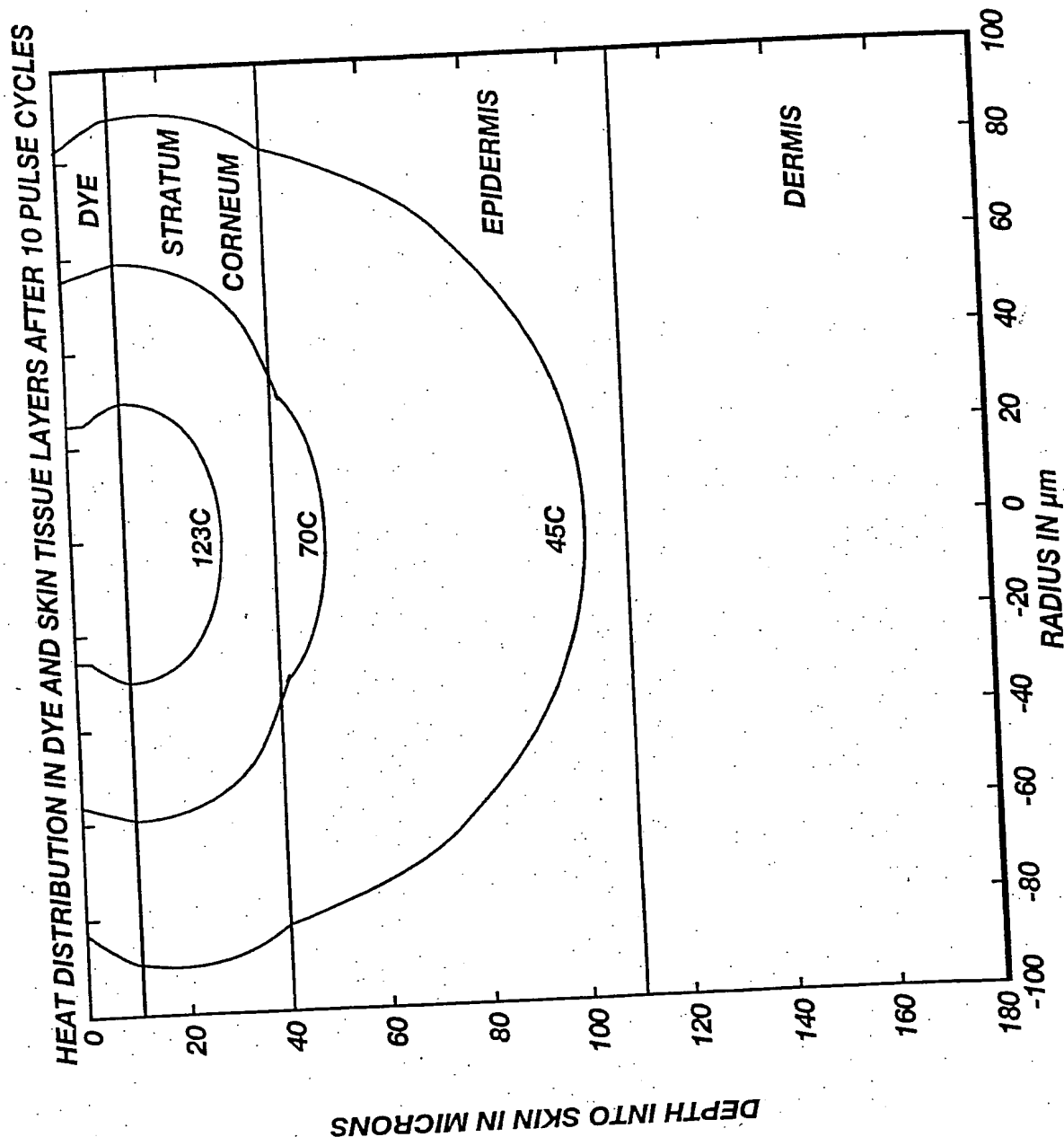


Fig. 33

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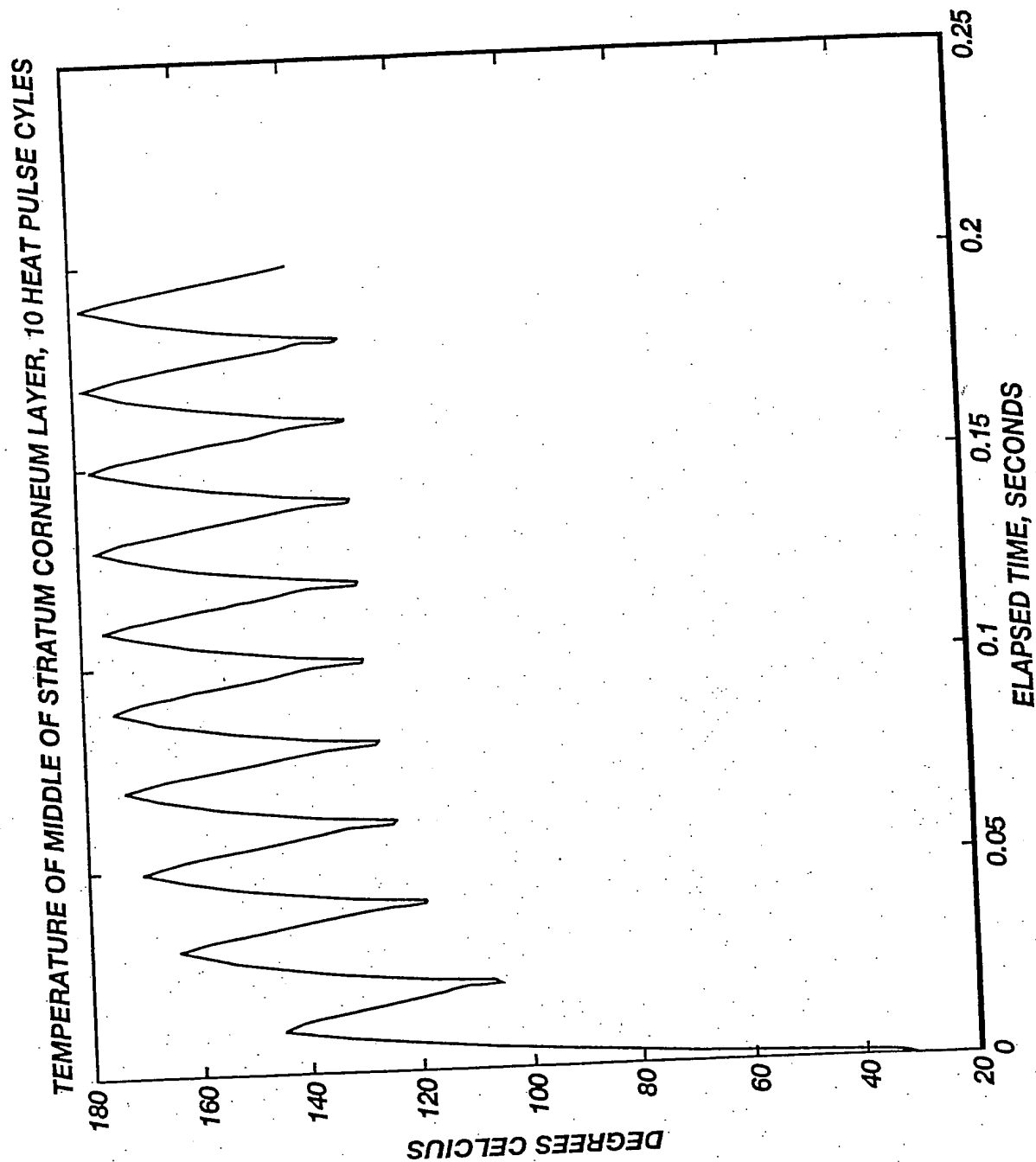


Fig. 34

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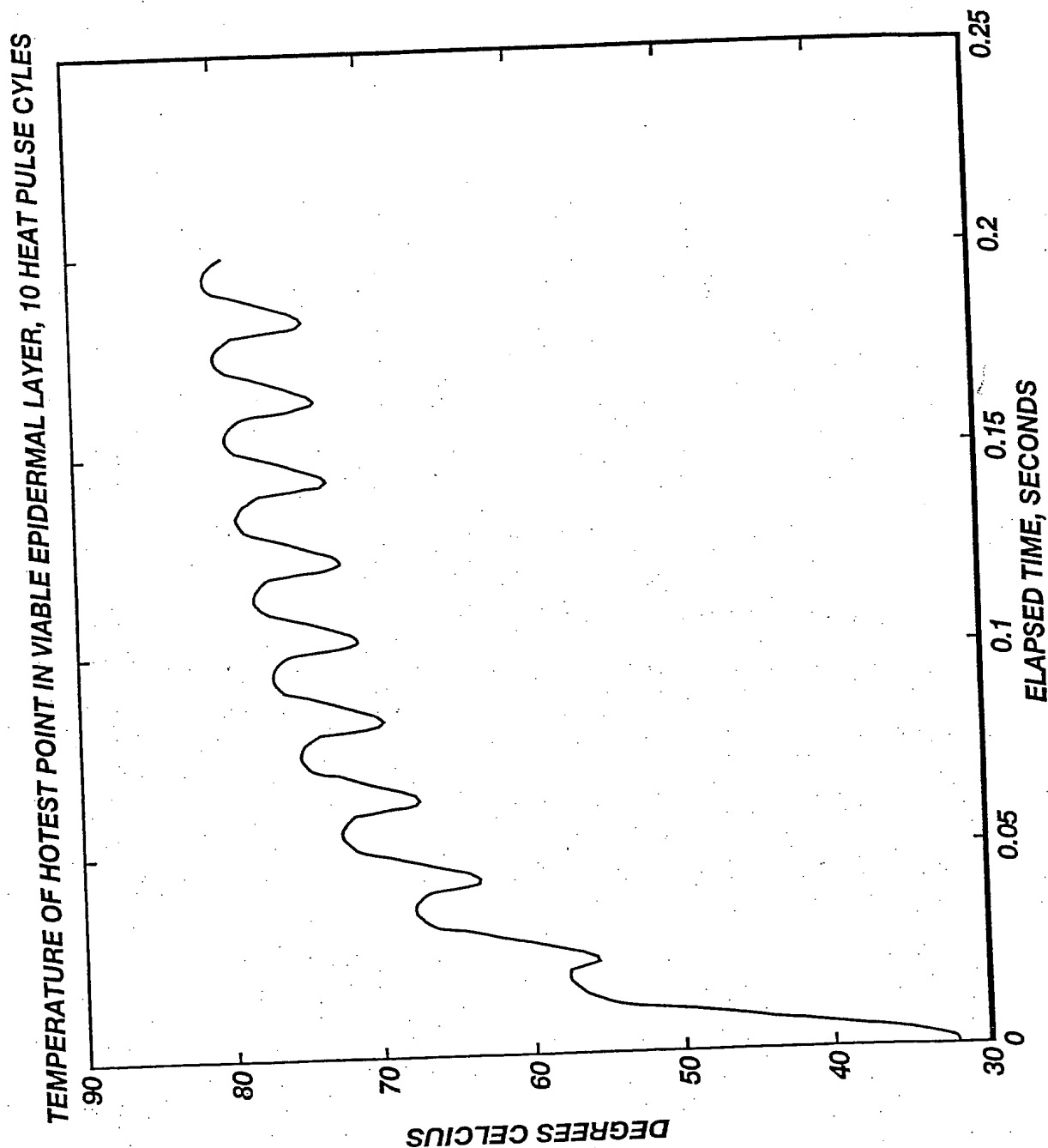


Fig. 35

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HEAT DISTRIBUTION IN DYE AND SKIN TISSUE LAYERS, PRECOOLED, AFTER 10 PULSE CYCLES

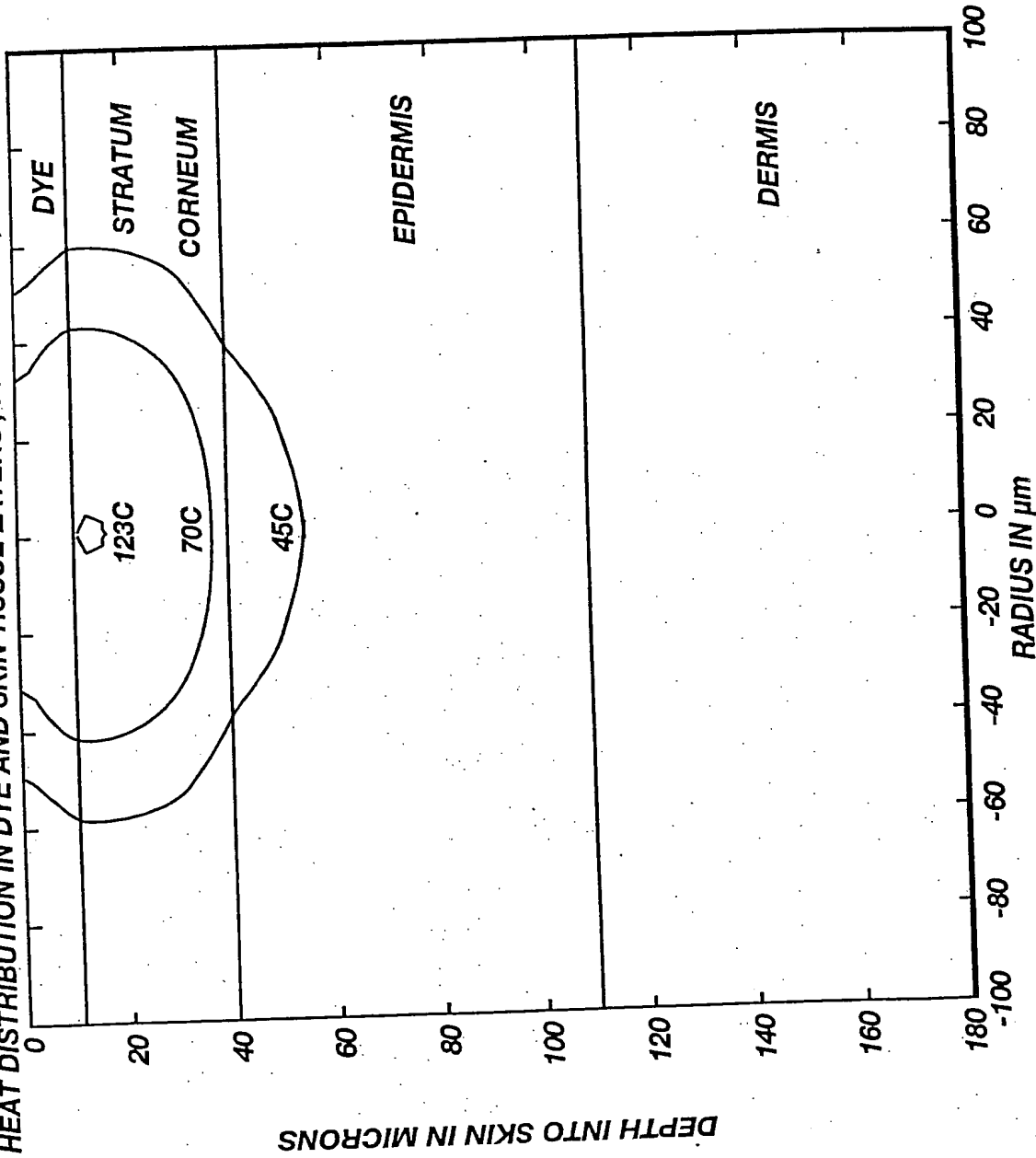


Fig. 36

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TEMPERATURE OF MIDDLE OF STRATUM CORNEUM LAYER, TISSUE PRECOOLED, 10 HEAT PULSE CYCLES

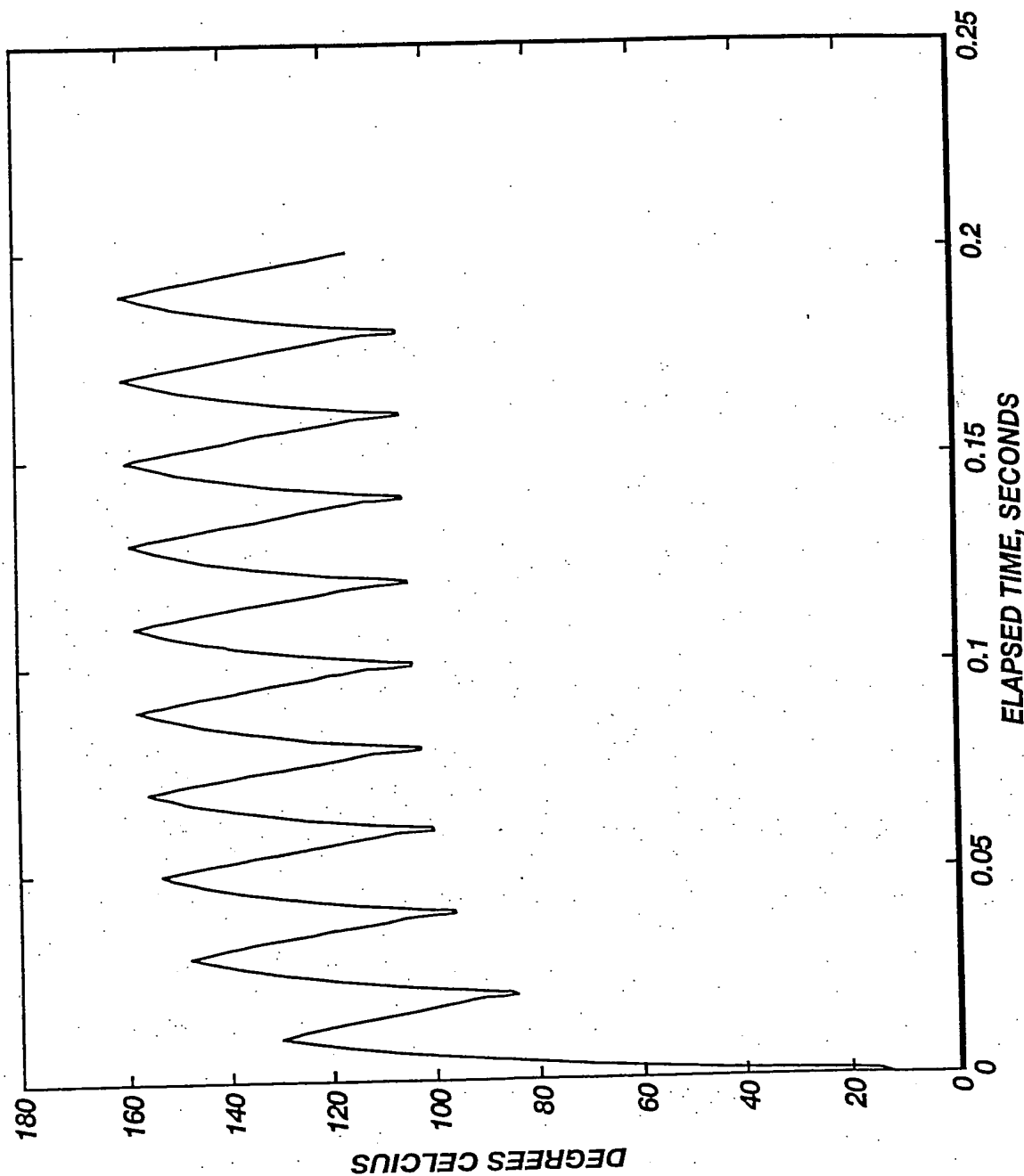


Fig. 37

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TEMPERATURE OF HOTTEST POINT IN VIABLE EPIDERMAL LAYER, TISSUE PRECOOLED, 10 HEAT PULSE CYCLES

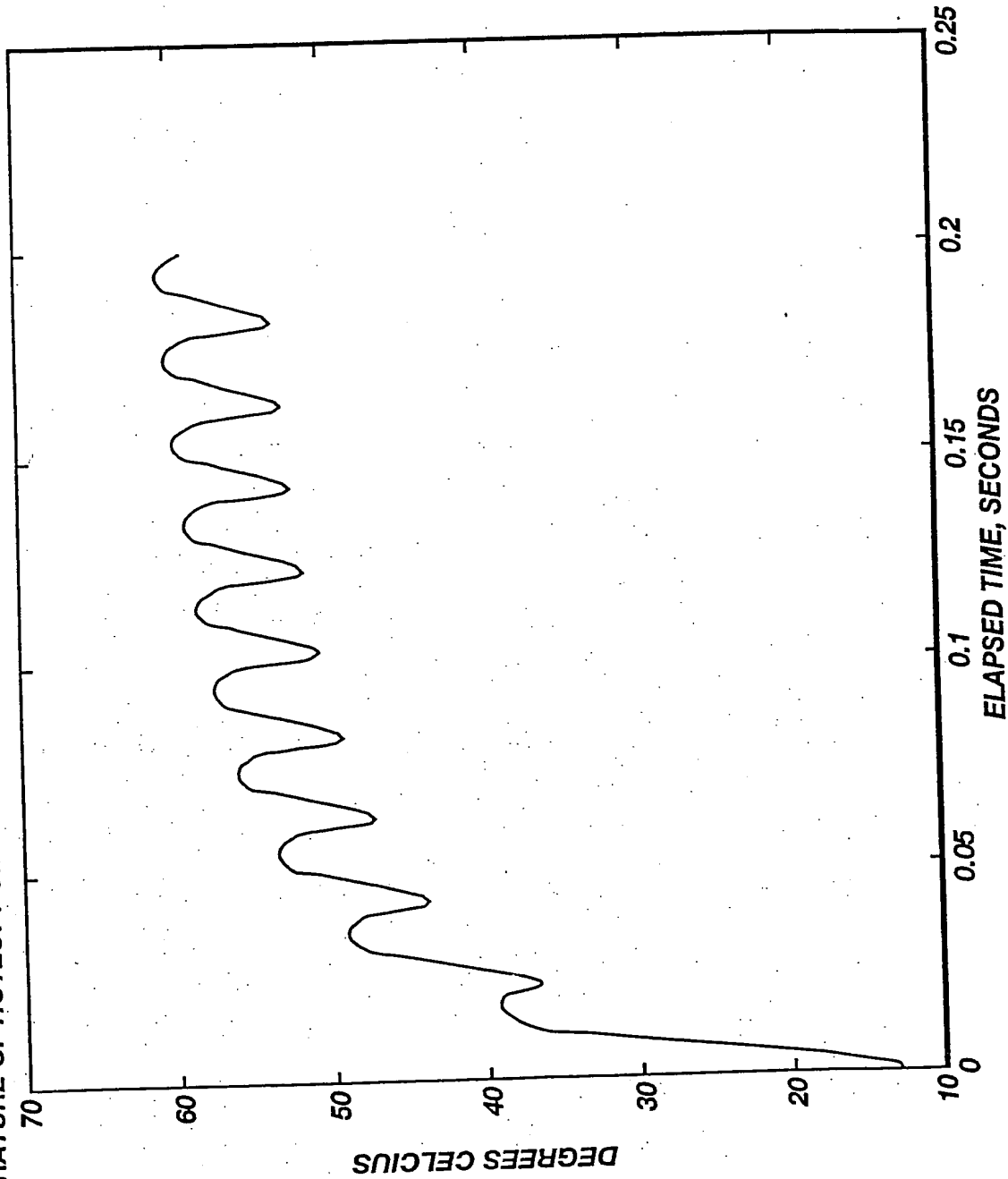


Fig. 38



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HEAT DISTRIBUTION IN SKIN TISSUE LAYERS AFTER 10 PULSE CYCLES OF HOT WIRE THERMAL PROBE

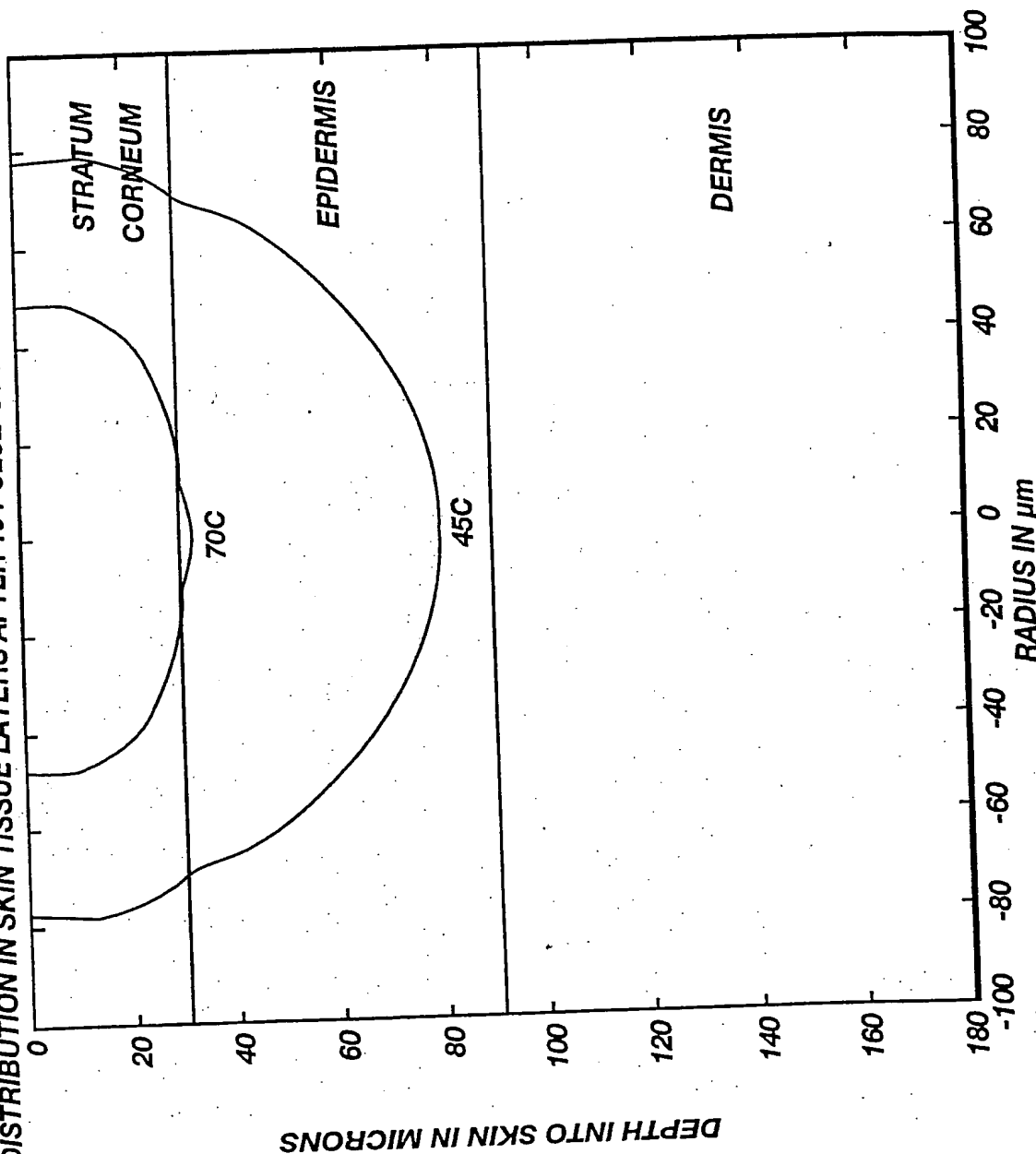


Fig. 39

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TEMPERATURE OF MIDDLE OF STRATUM CORNEUM LAYER, 10 HEAT PULSE CYCLES, HOT WIRE PROBE

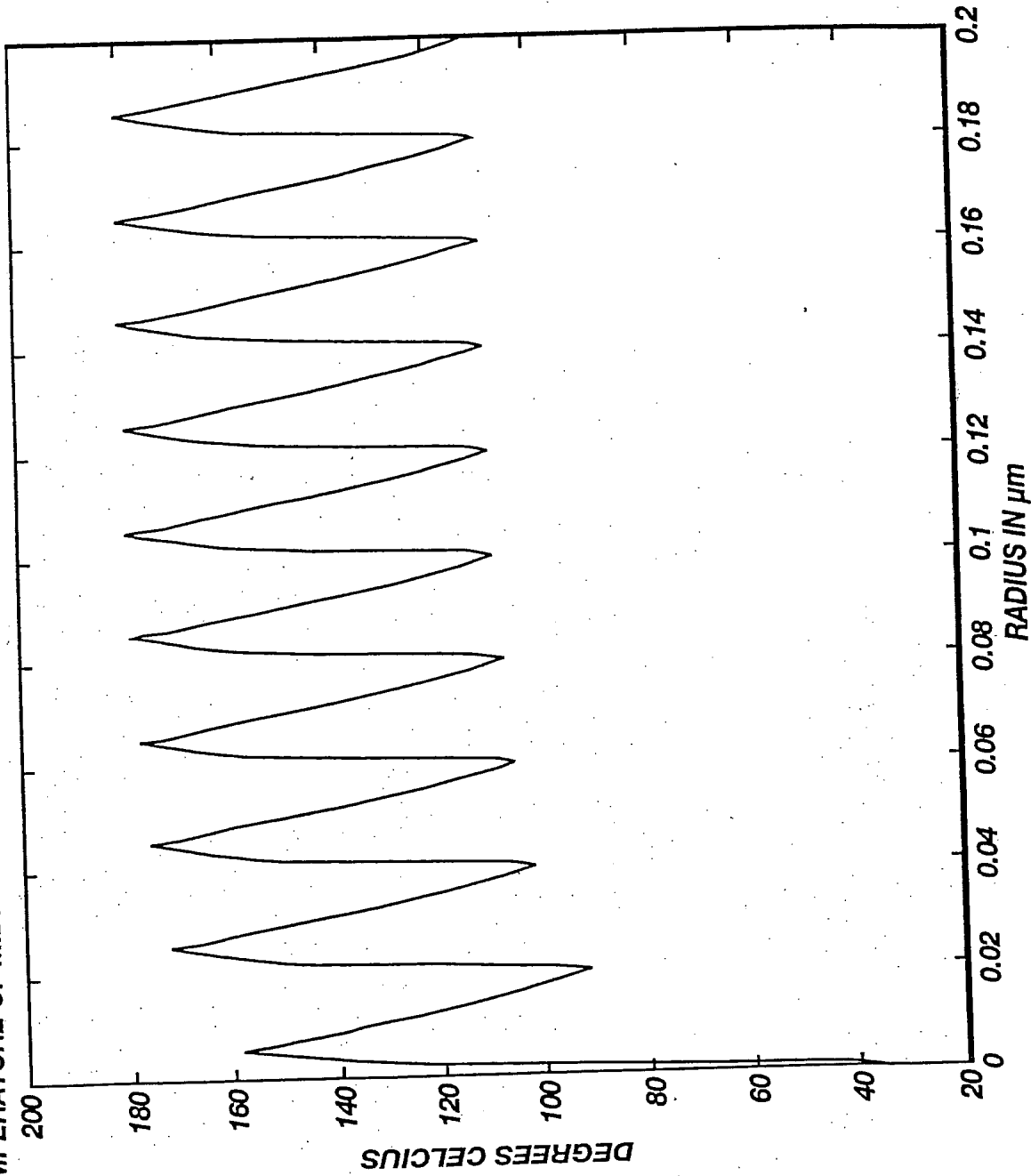


Fig. 40

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TEMPERATURE OF HOTTEST POINT IN VIABLE EPIDERMAL LAYER, 10 HEAT PULSE CYCLES, HOT WIRE PROBE

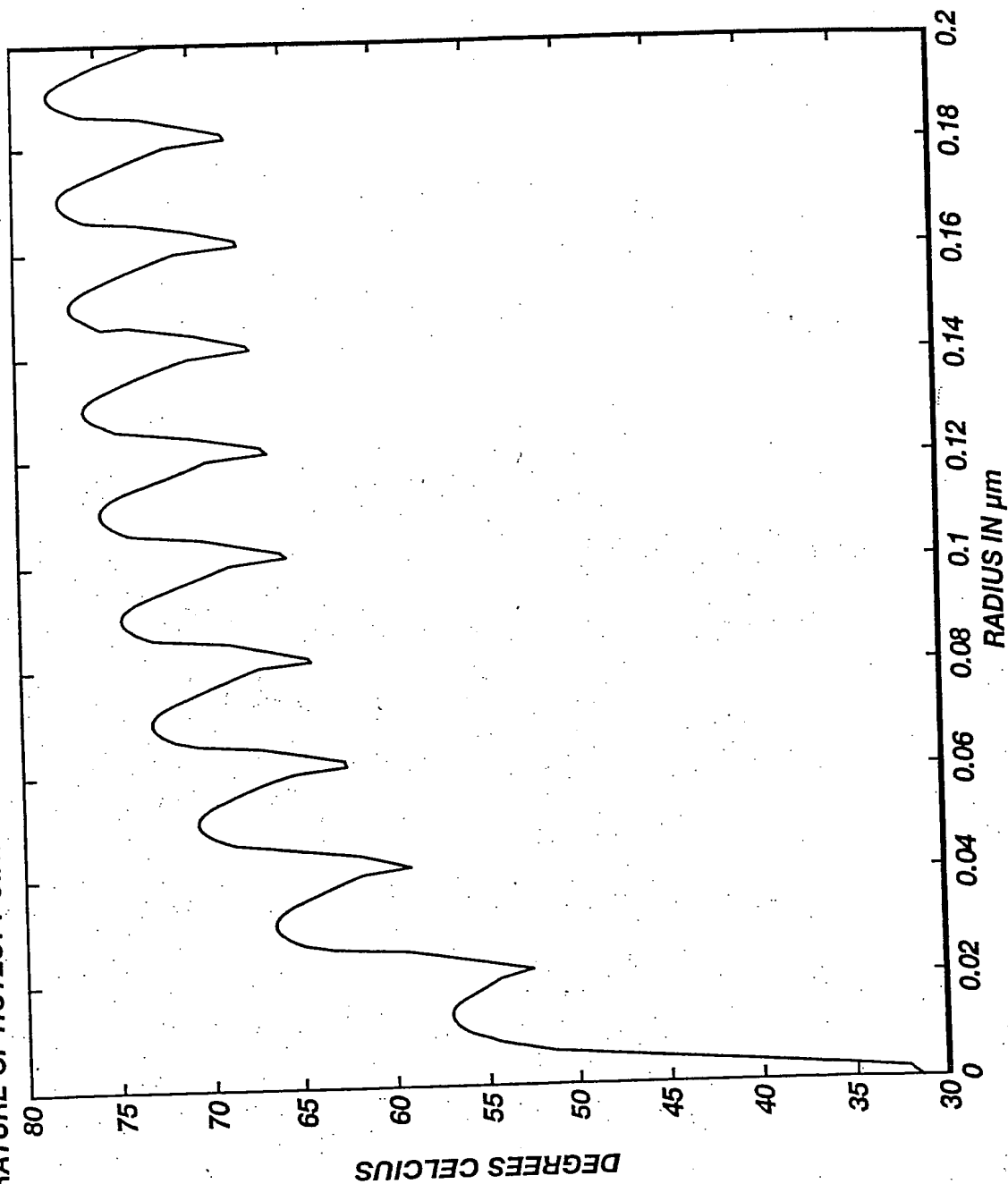


Fig. 41

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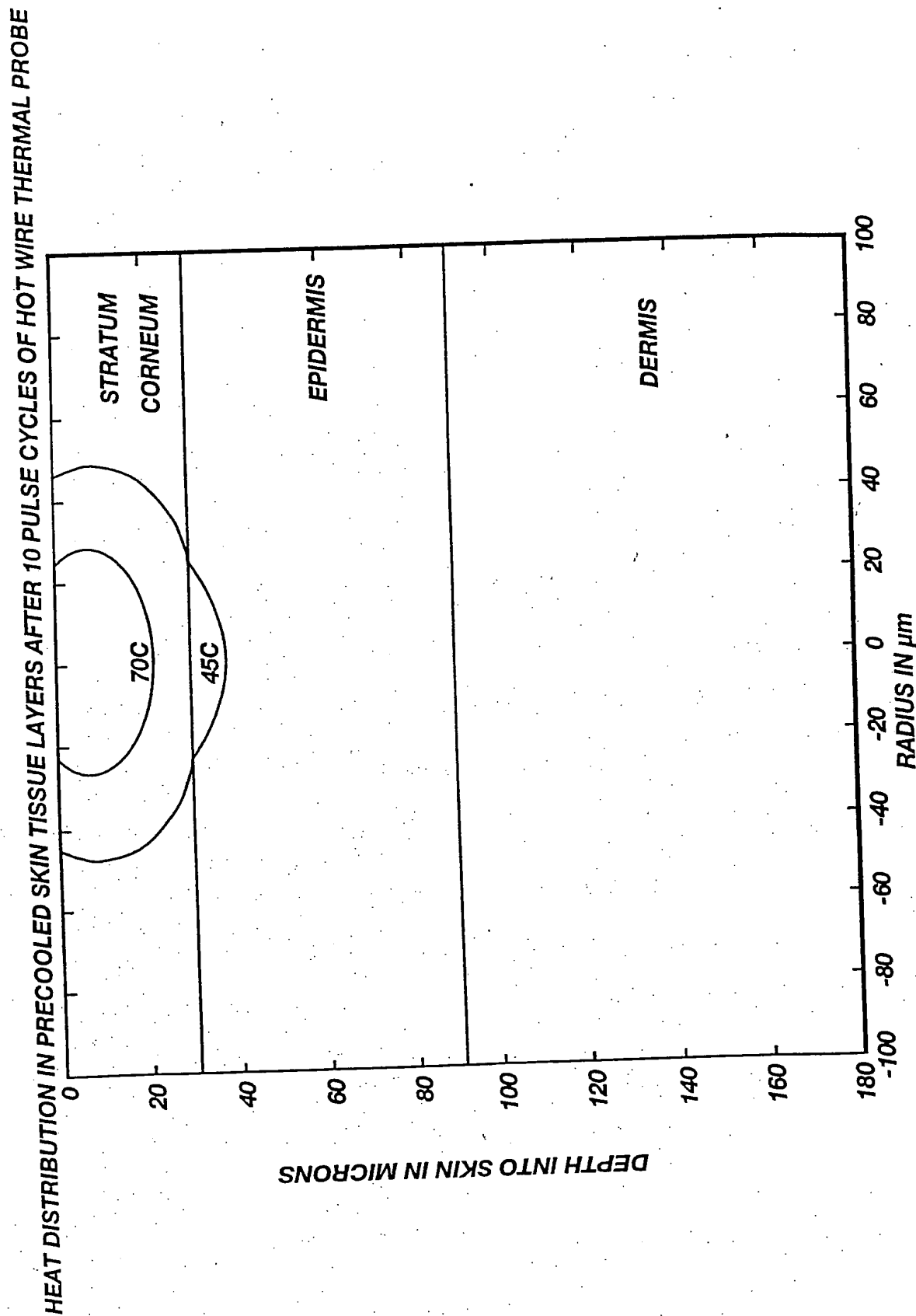


Fig. 42

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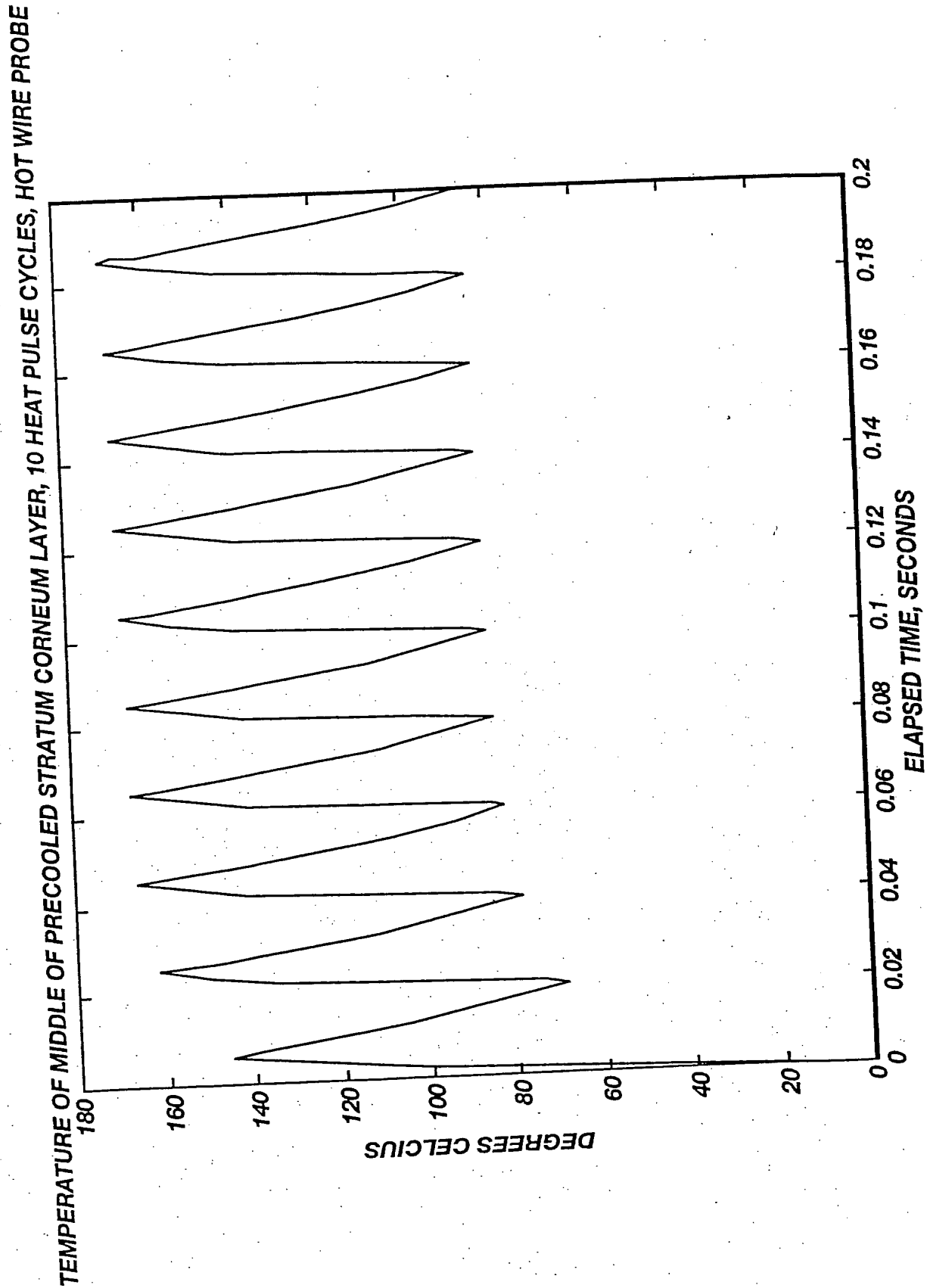


Fig. 43

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TEMPERATURE OF HOTTEST POINT IN VIABLE PRECOOLED EPIDERMAL LAYER, 10 HEAT PULSE CYCLES, HOT WIRE PROBE

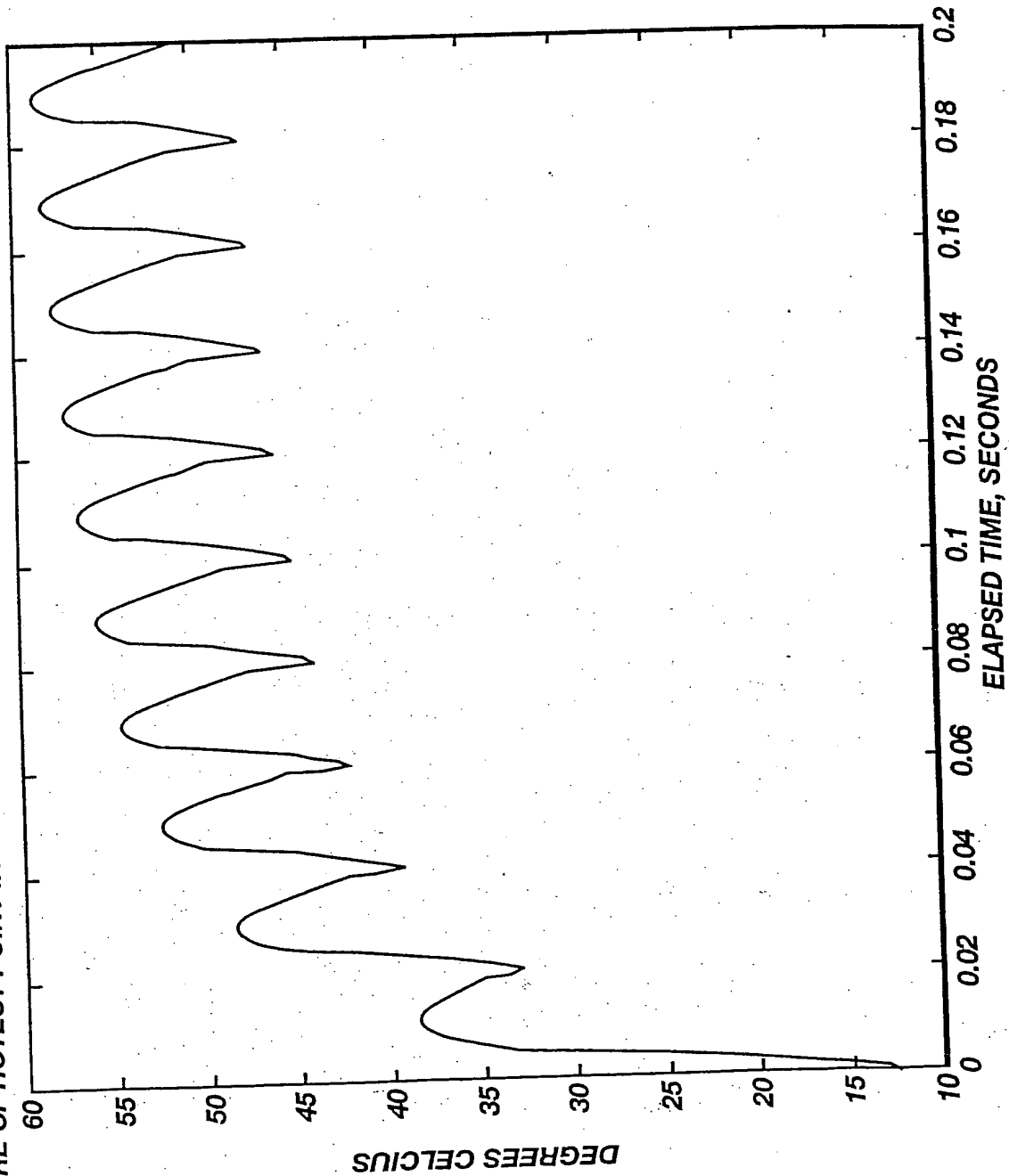


Fig.

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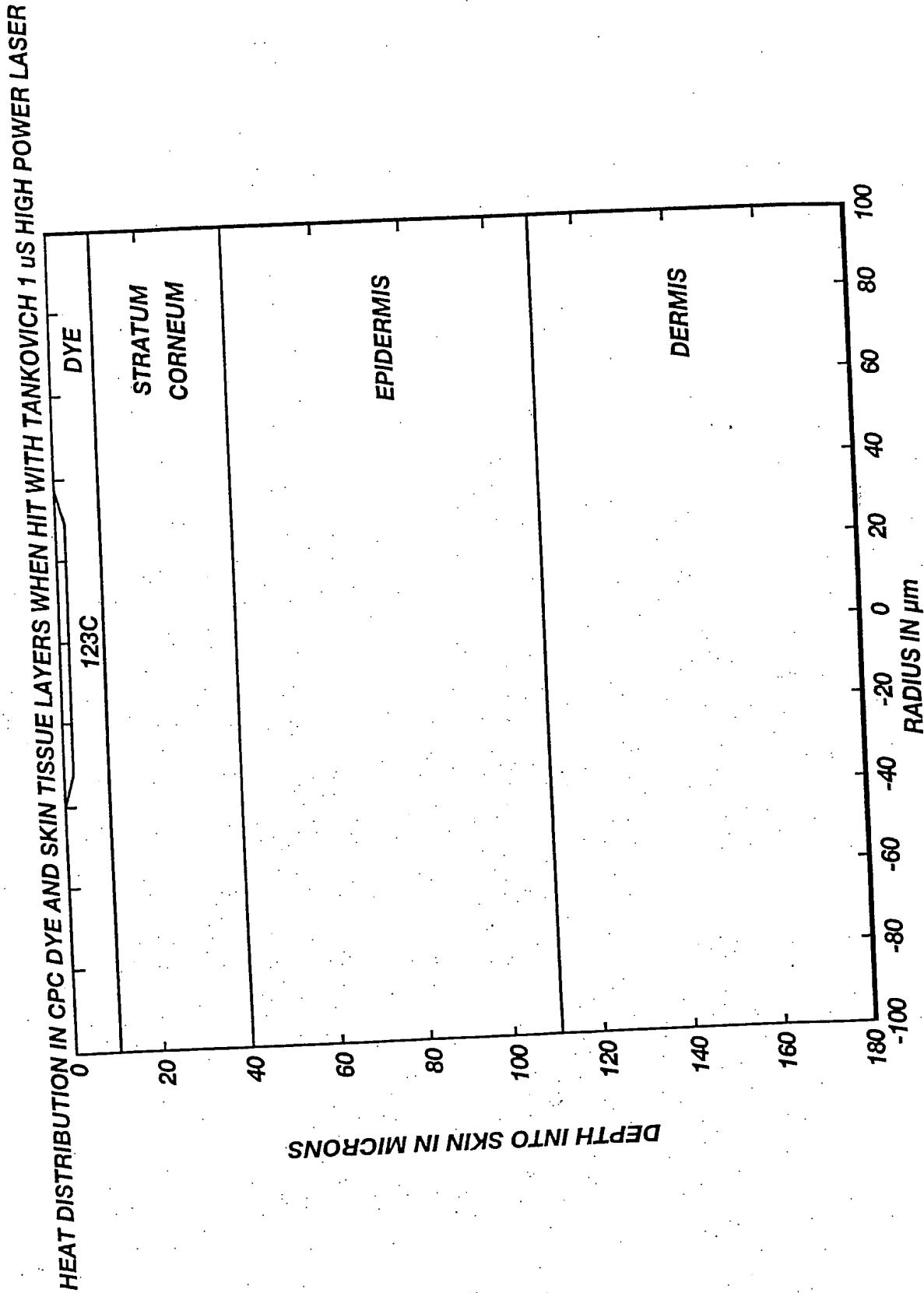


Fig. 45

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TEMPERATURE OF MIDDLE OF STRATUM CORNEUM LAYER, 10 HIGH POWER, 1  $\mu$ S LASER PULSES, AS PER TANKOVICH

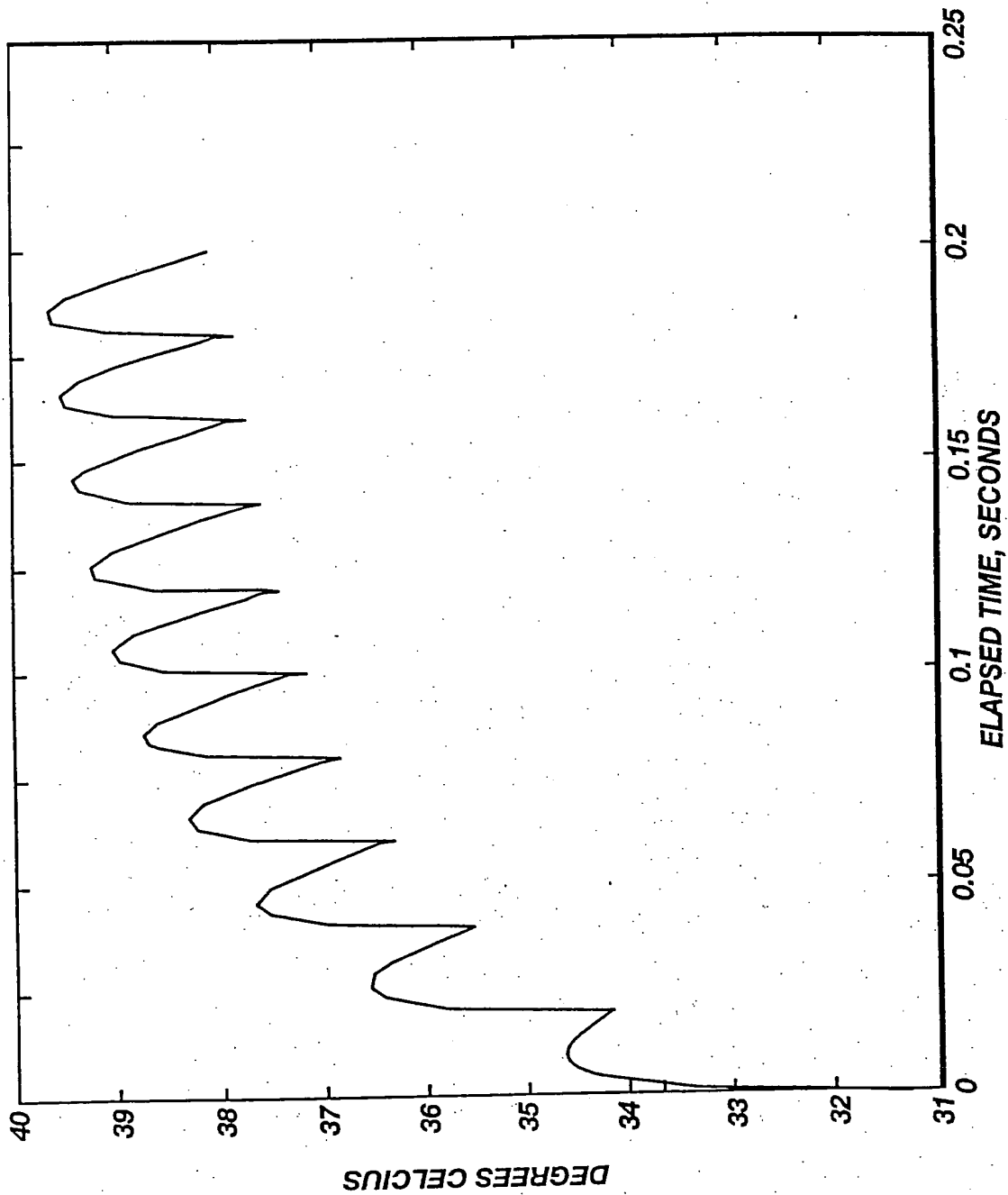


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ISF (o) and Blood (\*) glucose levels -vs- Time, entire data set, Correlation Coefficient  $r=0.95$ ,  $n=438$

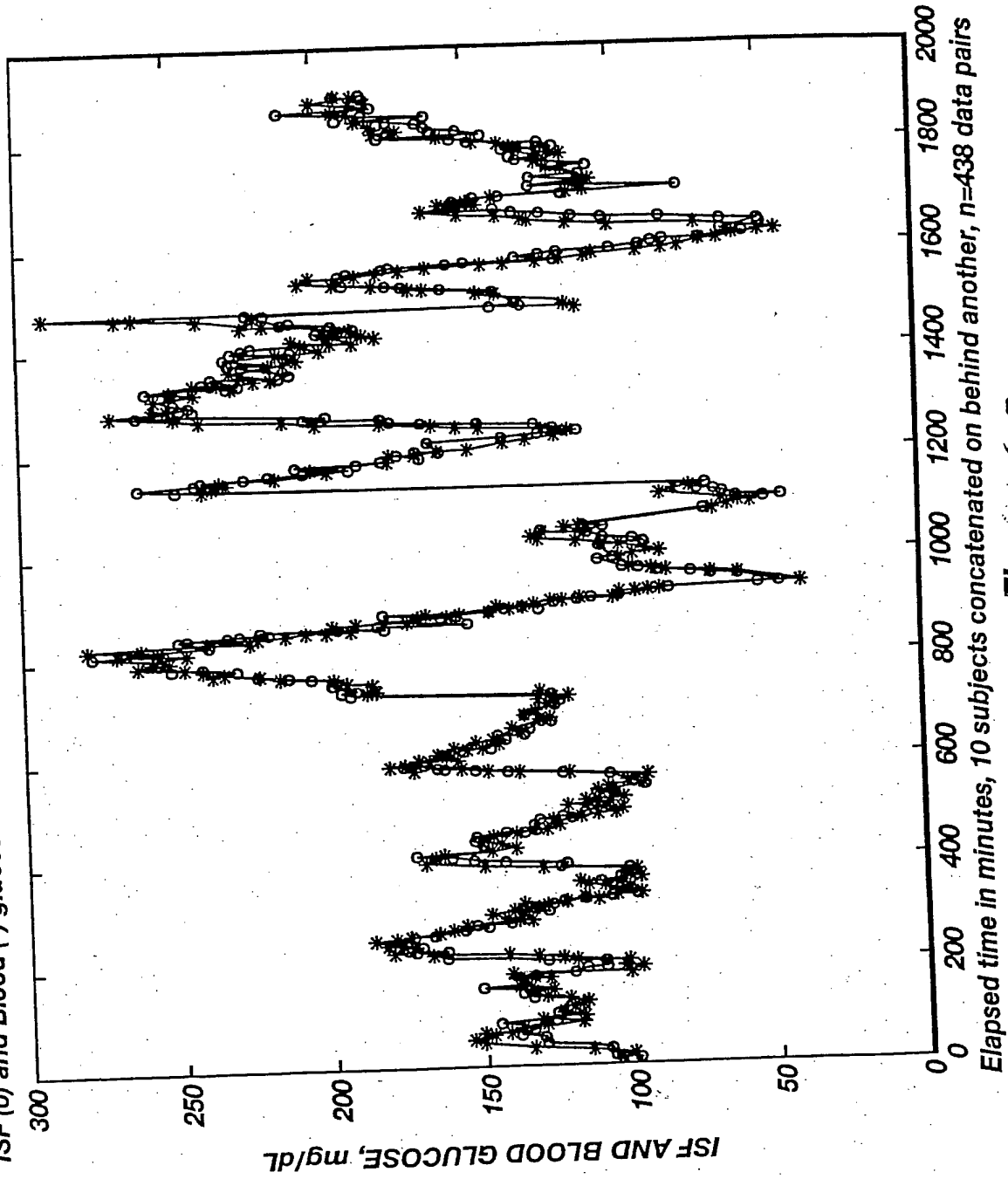


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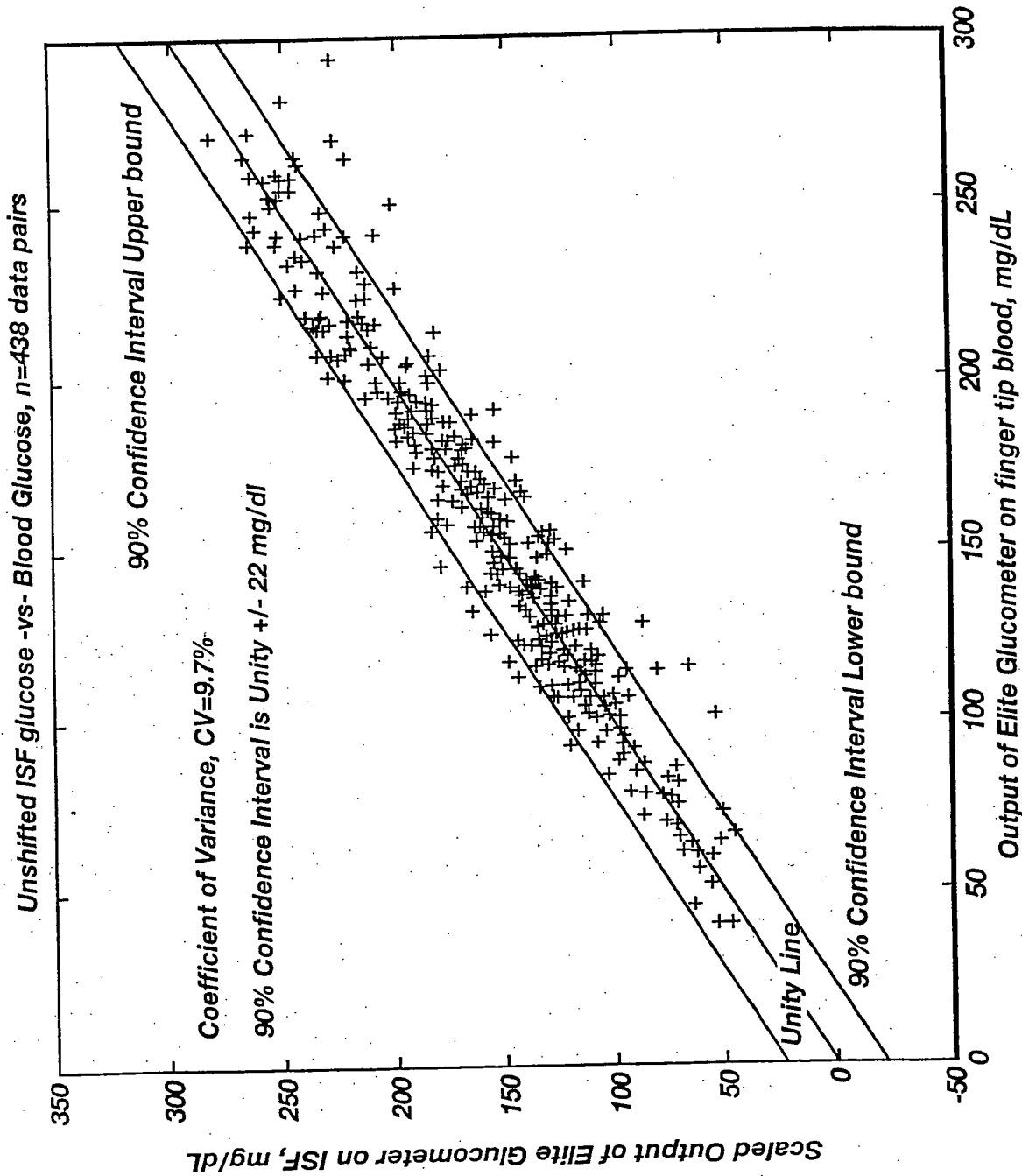


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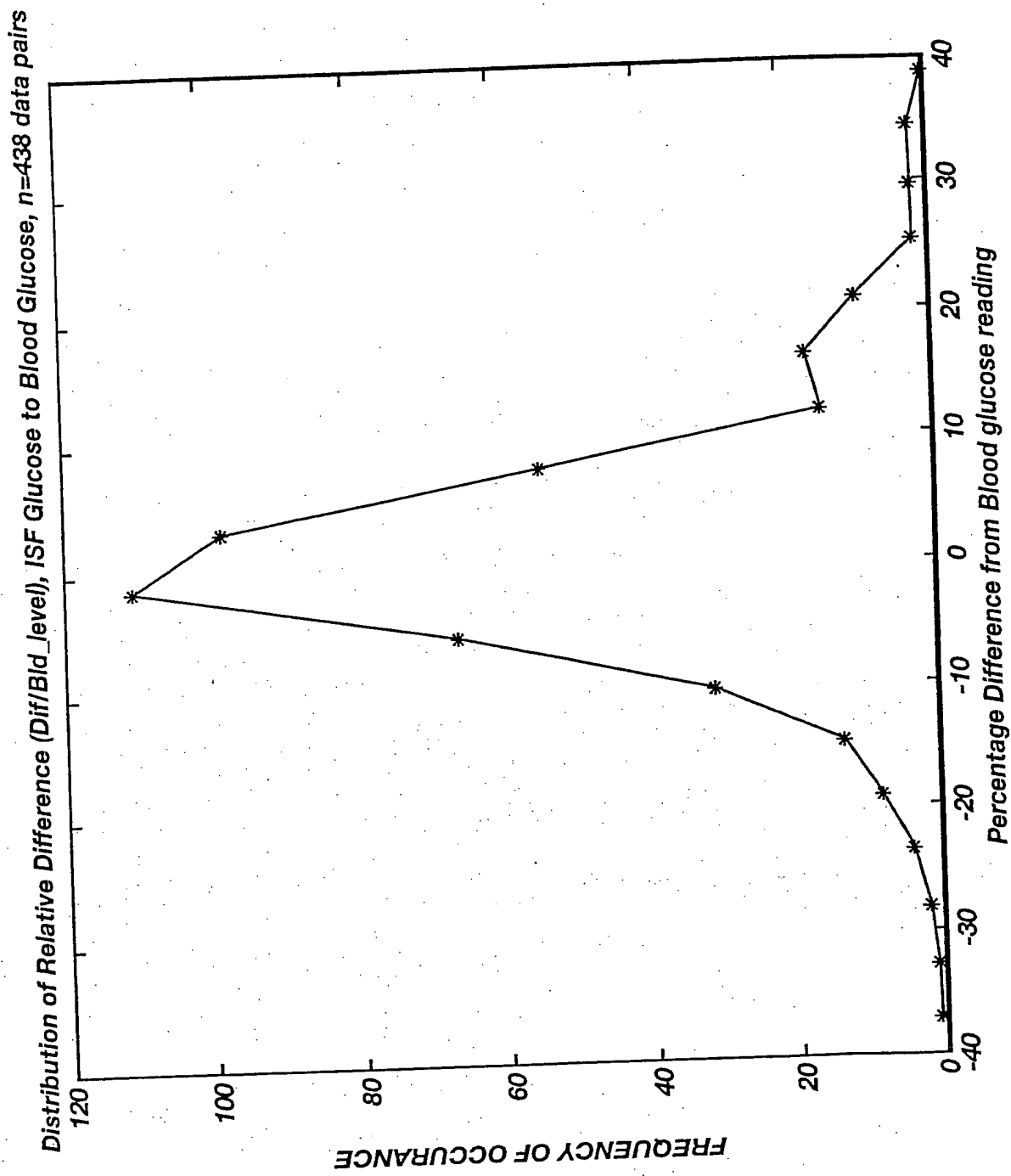


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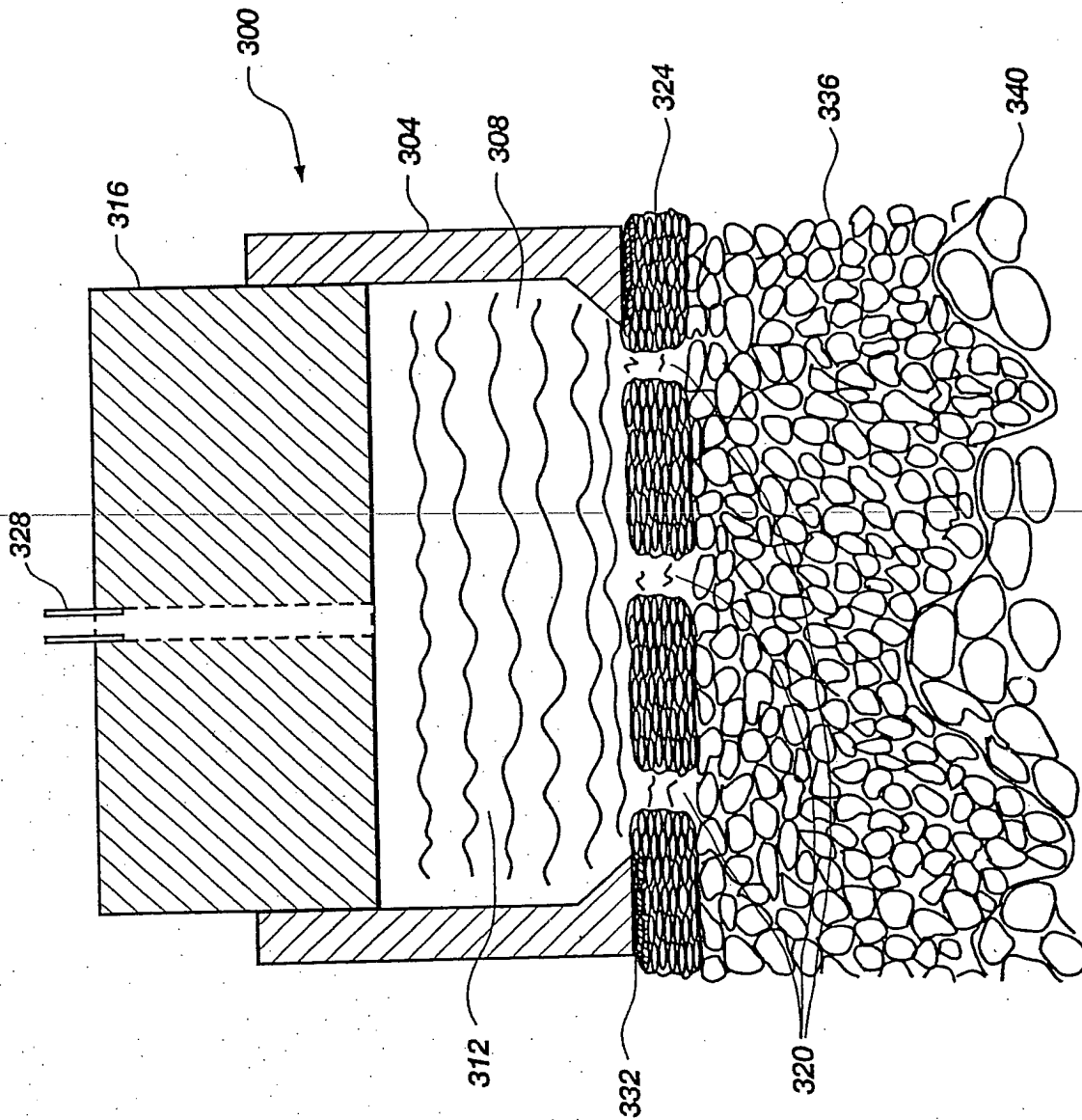


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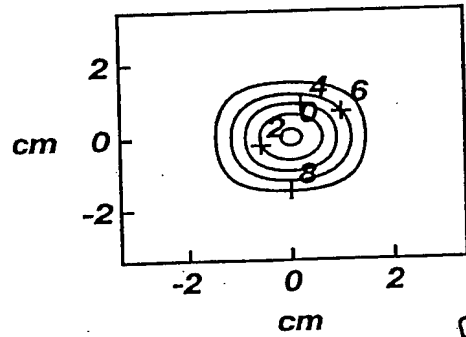


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51A

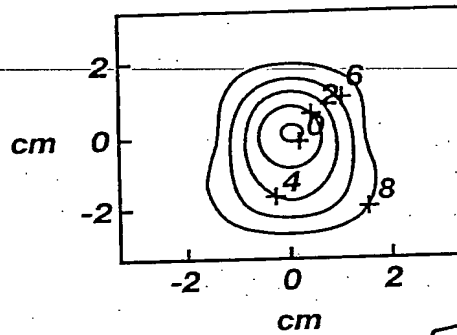


Fig.

51B

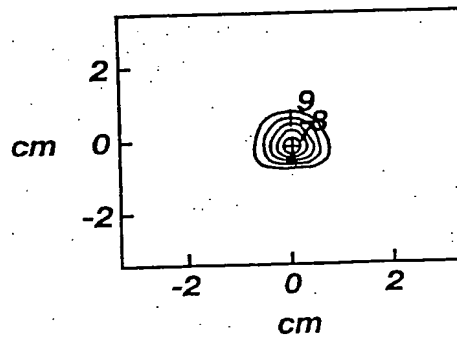


Fig.

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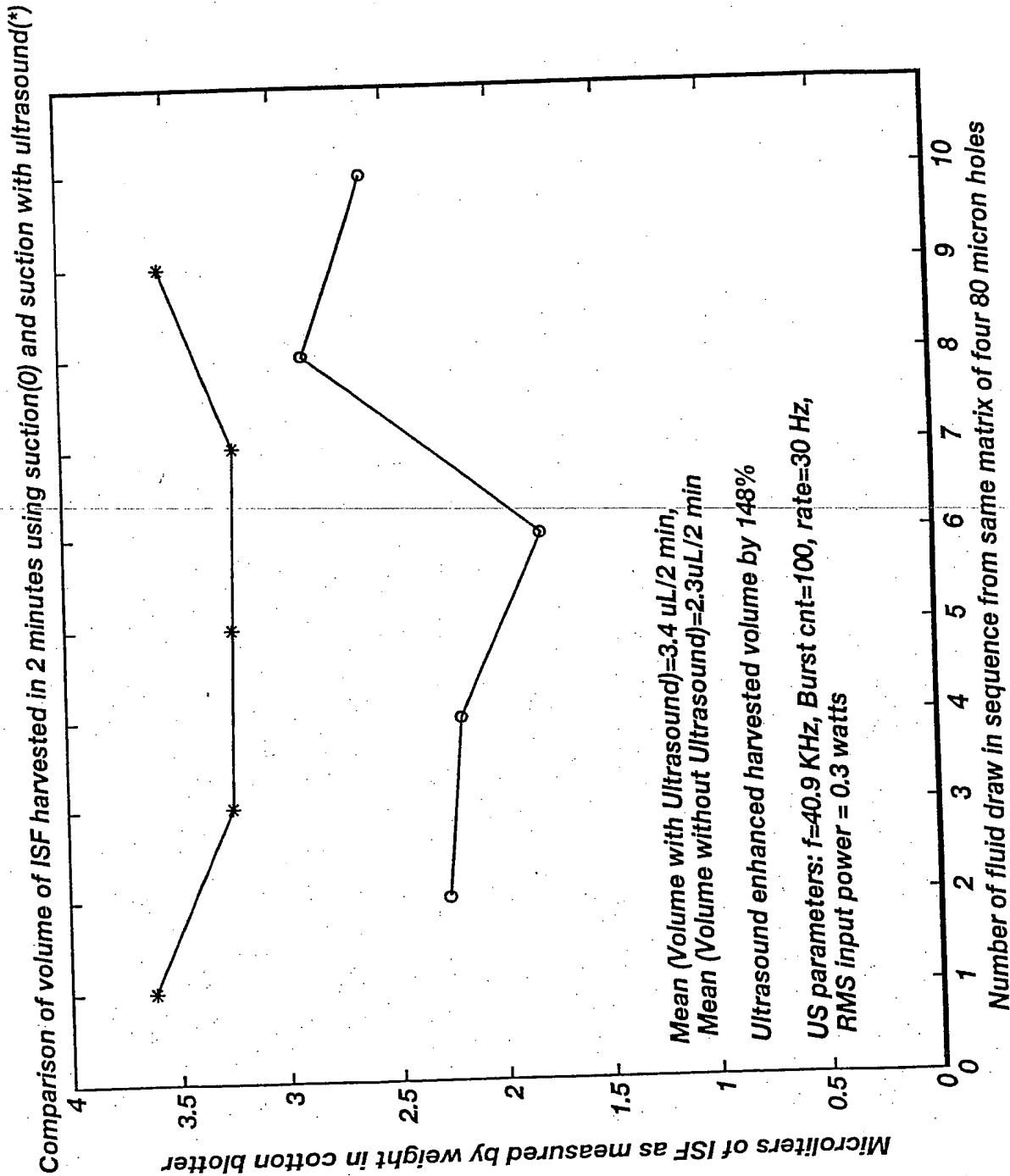


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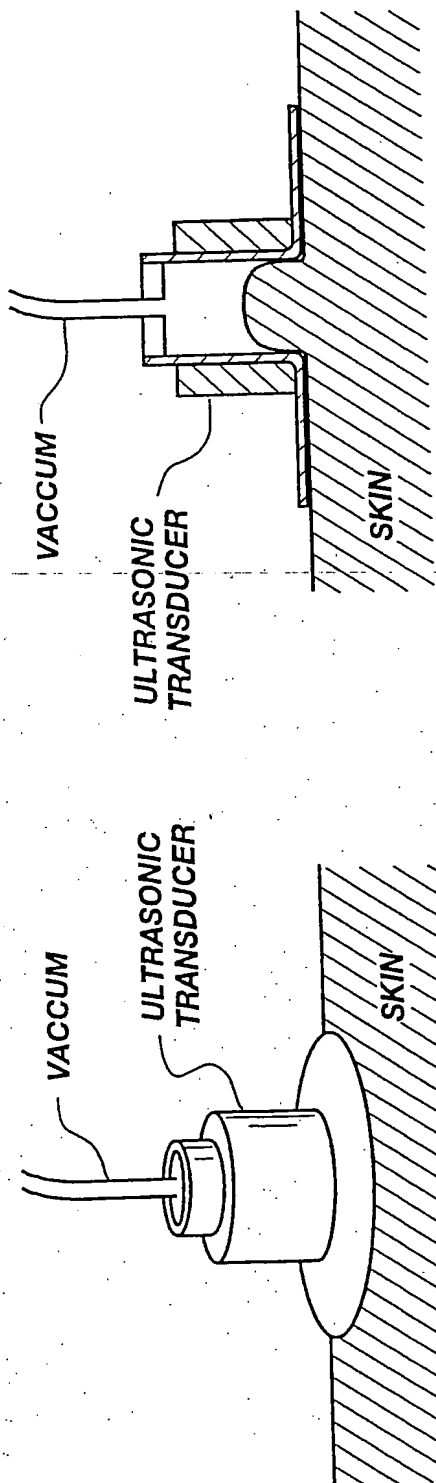


Fig. 54

Fig. 53

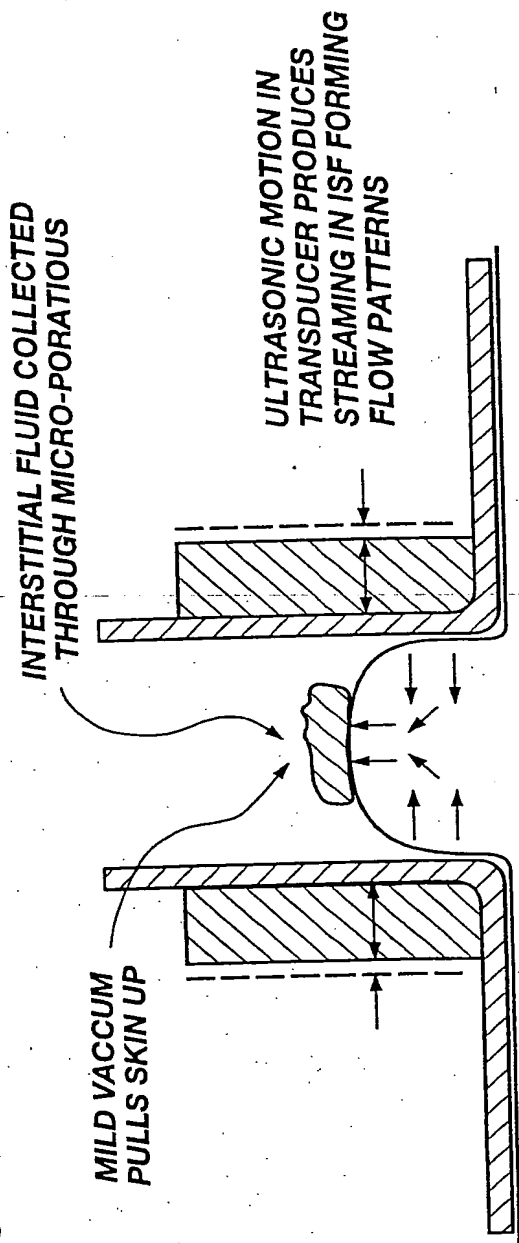


Fig. 55

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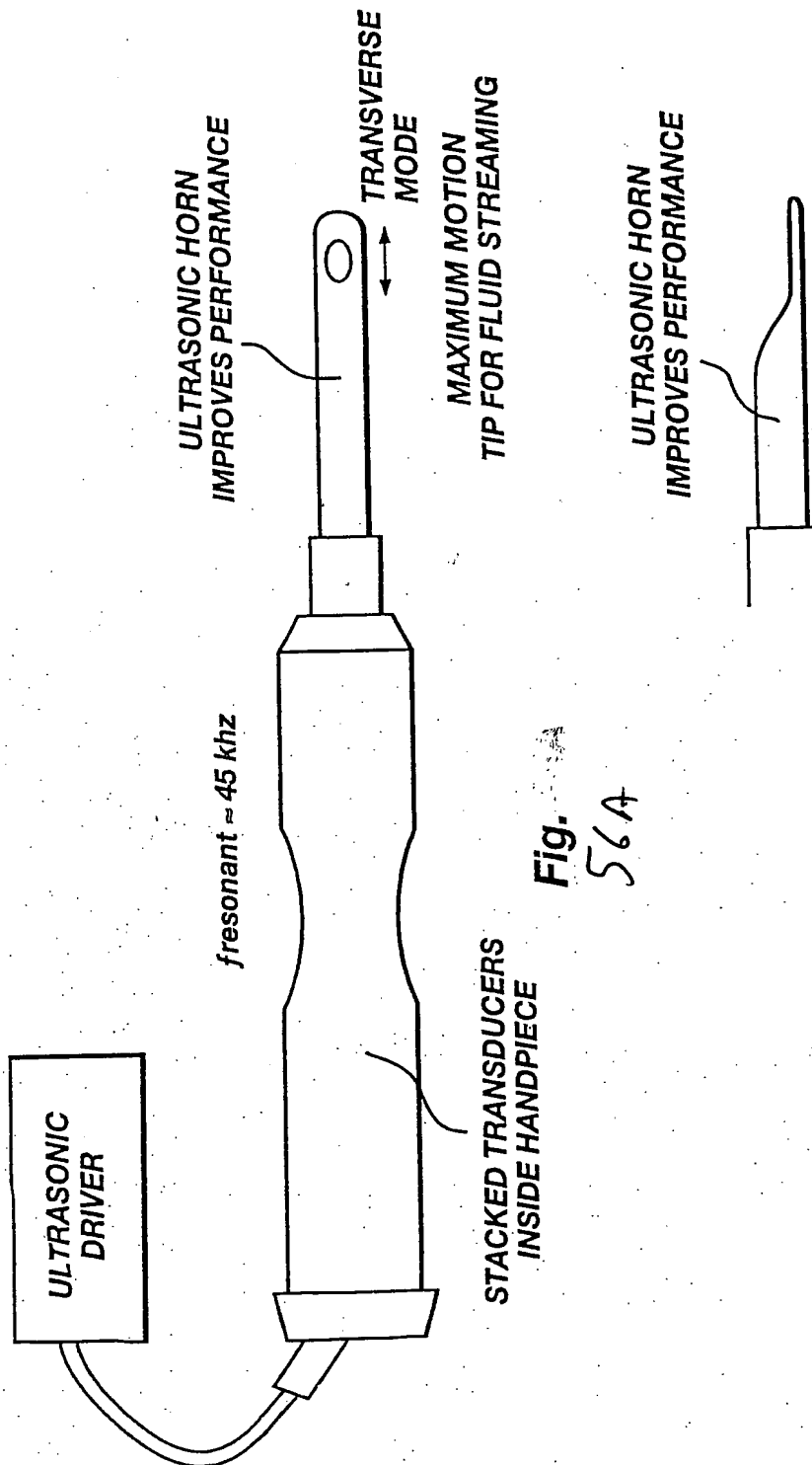


Fig.

56A

Fig.

56B



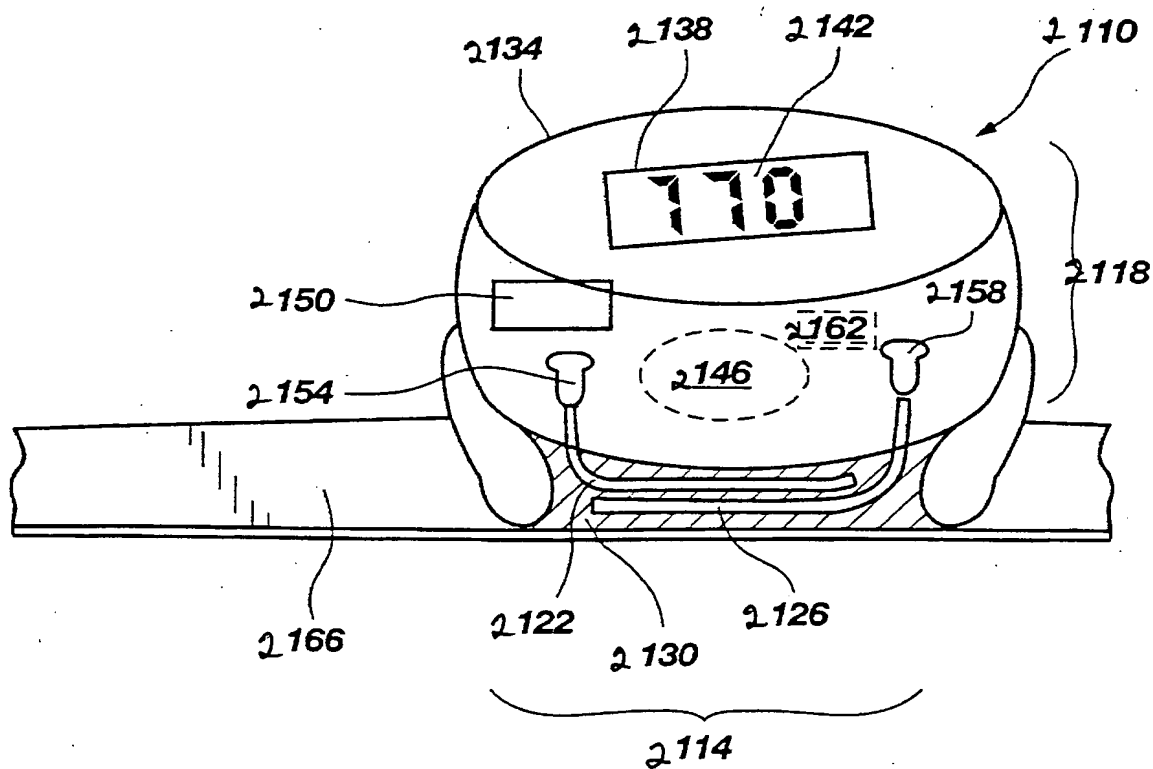


Fig. 57

